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Ontario Legislative Assembly

SESSIONAL PAPERS

VOL. LXI.—PART V

THIRD SESSION

OF THE

SEVENTEENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1929

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LIST OF SESSIONAL PAPERS, 1929

PRESENTED TO THE HOUSE DURING THE SESSION

TITLE	NO.	REMARKS
Accounts, Public	1	*Printed.*
Advertising, Departmental, Return	54	*Not Printed.*
Agriculture, Department of (Minister), Report	21	*Printed.*
Agriculture, Department of (Statistics), Report	22	*Printed.*
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Education, Orders-in-Council	30–32	*Not Printed.*
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Health, Report of Registrar-General, Department of (Births, Marriages, and Deaths)	13	*Printed.*
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Highways, Report	43	*Printed.*
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Hospitals and Charitable Institutions, Report	17	*Printed.*
Hospitals for Insane, Feeble-minded	15	*Printed.*
Hydro-Electric Power Commission, Report	26	*Printed.*
Hydro Concessions, Return	39	*Not Printed.*
Insurance and Friendly Societies	6	*Printed.*
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Legal Offices, Report	5	*Printed.*
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Loan Corporations, Registrar of, Report	7	*Printed.*
Mines Department, Report	4	*Printed.*
Minimum Wage Board, Report	40	*Printed.*
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Niagara Parks Commission, Report	52	*Printed*
Northern Development, Orders-in-Council	34	*Not Printed.*
Northern Development and Colonization Roads Act, Report	49	*Printed.*
Ontario Athletic Commission, Report	41	*Not Printed.*
Ontario Railway and Municipal Board, Report	24	*Printed.*
Ontario Veterinary College, Report	29	*Printed.*
Parole and Probation Board, Report	16	*Printed.*
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Rural, Public and Separate Schools, Grants to, Report	37	*Not Printed.*
Secretary and Registrar, Report	38	*Not Printed.*
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Timber Cutting Rights, Return	53	*Not Printed.*
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LIST OF SESSIONAL PAPERS

Arranged in Numerical Order with their Titles at full length; the name of the Member who moved the same, and whether ordered to be printed or not.

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No. 1 Public Accounts of the Province of Ontario for the twelve months ending October 31st, 1928. Presented to the Legislature, February 26th, 1929. *Printed.*

No. 2 Estimates supplementary for the service of the Province for the year ending October 31st, 1929. Presented to the Legislature, February 26th, 1929. *Printed.* Further Supplementary Estimates for the year ending October 31st, 1929; presented to the Legislature March 20th, 1929. *Printed.* Estimates for the year ending October 31st, 1930; presented to the Legislature, March 25th, 1929. *Printed.*

CONTENTS OF PART II

No. 3 Report of Department of Lands and Forests, Ontario, for year ending October 31st, 1928; presented to the Legislature, March 22nd, 1929. *Printed.*

No. 4 Annual Report of the Department of Mines, Ontario. Presented to the Legislature, March 8th, 1929. *Printed.*

No. 5 Annual Report of the Inspector of Legal Offices, for year ending December 31st, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 6 Report of the Superintendent of Insurance for year ending December 31st, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

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No. 7 Report of Registrar of Loan Corporations for Province of Ontario, for year ending December 31st, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 8 Report of the Minister of Public Works for the Province of Ontario for the year ending October 31st, 1928. Presented to the Legislature, February 28th, 1929. *Printed.*

No. 9 Annual Report of the Game and Fisheries Department, Ontario, 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 10 Annual Report of the Department of Labour, Province of Ontario, 1928. Presented to the Legislature, February 52th, 1929. *Printed.*

No. 11 Annual Report of the Department of Education, 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 12 Report of the Board of Governors of the University of Toronto for the year ending June 30th, 1928. Presented to the Legislature, January 31st, 1929. *Printed.*

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No. 13 Annual Report relating to Registration of Births, Marriages and Deaths, Ontario, for the year ending December 31st, 1927. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 14 Annual Report of the Department of Health, Ontario, 1928. Presented to the Legislature, February 28th, 1929. *Printed.*

No. 15 Annual Report of Inspector of Prisons and Public Charities upon Hospitals for the Insane, Feeble-minded and Epileptics of Ontario for year ending October 31st, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 16 Annual Report of the Ontario Board of Parole for years ending October 31st, 1927, 1928. Presented to the Legislature, February 6th, 1929. *Printed.*

No. 17 Annual Report of Inspector of Prisons and Public Charities upon the Hospitals and Charitable Institutions of the Province of Ontario for year ending September 30th, 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 18 Annual Report on the Prisons and Reformatories of the Province of Ontario for year ending October 31st, 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 19 Report of the Superintendent of Neglected and Dependent Children of Ontario for year 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 20 Annual Report of the Liquor Control Board of Ontario as at October 31st, 1928. Presented to the Legislature February 13th, 1929. *Printed.*

No. 21 Report of the Department of Agriculture, Ontario, for year ending October 31st, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 22 Annual Report of the Statistics Branch, Ontario Department of Agriculture, 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 23 Annual Report of the Temiskaming and Northern Ontario Railway Commission for the year ending October 31st, 1928. Presented to the Legislature, February 5th, 1929. *Printed.*

CONTENTS OF PART V

No. 24 Annual Report of the Ontario Railway and Municipal Board for year ending October 31st, 1928. Presented to the Legislature, March 22nd, 1929. *Printed.*

No. 25 Return from the Records of the By-elections to the Legislative Assembly held on 1st day of November, 1927, and the 16th and 27th day of June, 1928. Presented to the Legislature, January 30th, 1929. *Printed.*

No. 26 Annual Report of the Hydro-Electric Power Commission of Ontario for year ending October 31st, 1928. Presented to the Legislature, March 8th, 1929. *Printed.*

No. 27 Report of the Provincial Auditor, 1927-1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 28 Report for 1928 of the Workmen's Compensation Board, Ontario. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 29 Report of Ontario Veterinary College for year 1928. Presented to the Legislature, March 25th, 1929. *Printed.*

No. 30 Regulations and Orders-in-Council made under the authority of the Department of Education Act or of the Acts relating to Public Schools, Separate Schools or High Schools. Presented to the Legislature, February 25th and March 13th, 1929. *Not Printed.*

No. 31 Orders-in-Council made pursuant to the Ontario Insurance Act and Guarantee Companies Securities Act—Department of Insurance. Presented to the Legislature, January 31st, 1929. *Not Printed.*

No. 32 Regulations and Orders-in-Council, made under the authority of the Department of Education Act or of the Acts relating to Public Schools, Separate Schools or High Schools. Presented to the Legislature, February 5th, 1929. *Not Printed.*

No. 33 Annual Report of the Commissioner under The Extramural Employment of Sentenced Persons Act for year ending October 31st, 1928. Presented to the Legislature, February 6th, 1929. *Printed.* (See Sessional No. 16.)

No. 34 Orders-in-Council made under the authority of The Northern Development Act, 1927, from March 1st, 1928, to January 29th, 1929. Presented to the Legislature, February 6th, 1929. *Not Printed.*

No. 35 Statement showing all sums credited to the Highway Improvement Fund and all sums chargeable thereto for year ending October 31st, 1928. Presented to the Legislature, February 12th, 1929. *Not Printed.*

No. 36 Report of the Distribution of the Revised Statutes and Sessional Papers for fiscal year ending October 31st, 1928. Presented to the Legislature, February 12th, 1929. *Not Printed.*

No. 37 Comparative statement of the Legislative grants apportioned to the Rural Public and Separate Schools in the Counties and Districts for the years 1927 and 1928. Presented to the Legislature, February 12th, 1929. *Not Printed.*

No. 38 Report of the Secretary and Registrar of the Province of Ontario with respect to administration of The Companies Act, The Extra-Provincial Corporations Act and The Mortmain and Charitable Uses Act, etc., for the year ending October 31st, 1928. Presented to the Legislature, February 13th, 1929. *Not Printed.*

No. 39 Return to an Order of the House, dated February 21st, 1928, That there be laid before the House a Return showing—1. How many power rights have been granted to corporations or persons in Northern Ontario. 2. Where are such power rights. 3. To whom were they granted. 4. When were they granted. Presented to the Legislature, February 25th, 1929. Mr. Fletcher. *Not Printed.*

No. 40 Annual Report of the Minimum Wage Board of Ontario, 1928. Presented to the Legislature, March 4th, 1929. *Printed.*

No. 41 Annual Report of Ontario Athletic Commission for year 1928. Presented to the Legislature, March 8th, 1929. *Not Printed.*

No. 42 Return to an Order of the House, dated February 8th, 1929, That there be laid before the House a Return showing—all areas of pulp or timber limits sold or disposed of from November 1st, 1927, to October 31st, 1928, the date when each area was first advertised, the date when each area was sold, the number of tenders received in respect to each area, the amount bid in each case by each one tendering for each of said areas, including the successful tenderer, the location and acreage or mileage of each parcel sold or disposed of, and the names and addresses of all tendering in each case, including the name of the successful tenderer. Presented to the Legislature, Mrach 13th, 1929. Mr. Mewhinney. *Not Printed.*

No. 43 Annual Reports of the Department of Public Highways, Ontario, 1926-1927. Presented to the Legislature, March 13th, 1929. *Printed.*

No. 44 Eighth Annual Report of the Public Service Superannuation Board for the year ending October 31st, 1928. Presented to the Legislature, March 18th, 1929. *Not Printed.*

No. 45 Report of the Department of Public Records and Archives of Ontario, 1928. Presented to the Legislature, March 19th, 1929. *Printed.*

No. 46 Annual Report of Mothers' Allowance Commission, 1927-1928. Presented to the Legislature, March 22nd, 1929. *Printed.*

No. 47 Annual Report of Commissioner of the Ontario Provincial Police for year ending October 31st, 1928. Presented to the Legislature, March 22nd, 1929. *Printed.*

No. 48 Annual Report of the Civil Service Commissioner of Ontario for year ending October 31st, 1928. Presented to the Legislature, March 25th, 1929. *Not Printed.*

No. 49 Report on operations under the Northern Development Act and Colonization Roads Act for year ending October 31st, 1928. Presented to the Legislature, March 26th, 1929. *Printed.*

No. 50 Return to an Order of the House, dated March 22nd, 1928, That there be laid before this House, a Return, giving the following information.—1. The total amount expended by the Province in 1927 upon the construction and maintenance, including interest, if any, paid on outstanding obligations upon.—(*a*) Suburban roads; (*b*) Provincial highways; (*c*) Provincial Suburban highways. 2. The total amount received by the Highway Improvement Fund in 1927: (*a*) From the issuing of motor licenses; (*b*) From the gasoline tax; (*c*) From payments made under The Highway Improvement Act, by the following cities, namely: Belleville, Brantford, Chatham, Fort William, Galt, Guelph, Hamilton, Kingston, Kitchener, London, Niagara Falls, North Bay, Oshawa, Ottawa, Owen Sound, Peterborough, Port Arthur, St. Catharines, St. Thomas, Sarnia, Sault Ste. Marie, Stratford, Toronto, Welland, Windsor and Woodstock, with the amount contributed by each of such cities: (*d*) From payments made by all other municipalities in Ontario. 3. (*a*) The total number of automobiles licensed in Ontario in 1927; (*b*) The total amount of automobile license fees paid in 1927; (*c*) The total number of automobile licenses in 1927 in each of the cities mentioned in clause 2 (*c*); (*d*) The total automobile license fees paid in each of the cities mentioned in clause 2 (*c*). Presented to the Legislature, March 27th, 1929. Mr. Pinard. *Not Printed.*

No. 51 Return to the Order of the House, dated March 29th, 1928, That there be laid before this House a Return, showing—1. The townships and lots in said townships now or formerly in the Crown, which were valued since January 1st, 1927, in connection with the acquirement of the same by or on behalf of the Spruce Falls Paper Company. 2. What disposition was made of such lands since such valuation. 3. The amount of the valuation of the same. 4. The parties who had charge of the inspection and valuation. 5. The total cost of the inspection and valuation. Presented to the Legislature, March 27th, 1929. Mr. Scott. *Not Printed.*

No. 52 Annual Report of the Niagara Parks Commission, 1928. Presented to the Legislature, March 27th, 1929. *Printed* (not bound in Sessional Volumes).

No. 53 Return to an Order of the House, dated March 31st, 1927, That there be laid before this House a Return showing—1. (*a*) Over how many townships or parts of townships, has E. W. Backus or any company controlled by him been granted timber cutting rights. (*b*) What is the total extent of such timber limits. 2. Under the original terms and conditions of such grants, have the said E. W. Backus or the said Companies been required (*a*) to install any pulp or paper manufacturing plant or machinery at any points and within any periods of time, and if so, at what points and within what periods; (*b*) to exercise their timber cutting rights within definite periods, and if so, within what periods. 3. (*a*) Have those requirements been strictly complied with, or have any extensions of time been granted the said E. W. Backus and the said companies to comply with same. (*b*) If so, when and for how long were such extensions granted. Presented to the Legislature, March 27th, 1929. *Not Printed.*

No. 54 Return to an Order of the House, dated March 29th, 1928, That there be laid before this House a Return furnishing the following information—1. In what newspapers, magazines and other publications, during the fiscal year ending the 31st October, 1928, has each Department of the Government inserted advertisements, notices and other like matter and where are the same published. 2. What total sums have been paid to each such newspapers, magazines and other publications. Presented to the Legislature, March 27th, 1929. Mr. Belanger. *Not Printed.*

Twenty-Third Annual Report

OF THE

ONTARIO RAILWAY

AND

MUNICIPAL BOARD

To December 31st, 1928

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

SESSIONAL PAPER No. 24, 1929

ONTARIO

TORONTO
Printed and Published by the Printer to the King's Most Excellent Majesty
1929

PRODUCED BY
The United Press
LIMITED
TORONTO
CANADA

To The Honourable William Donald Ross,
Lieutenant-Governor of the Province of Ontario, in Council.

May It Please Your Honour:

The undersigned has the honour to transmit herewith the Twenty-third Report of The Ontario Railway and Municipal Board for the year ending December 31st, 1928.

Respectfully submitted,

William H. Price,
Attorney-General.

Parliament Buildings,
Toronto.

Parliament Buildings,
Toronto, March 7th, 1929.

DEAR SIR:

RE TWENTY-THIRD ANNUAL REPORT

I have the honour to send you herewith the Twenty-third Annual Report of The Ontario Railway and Municipal Board to December 31st, 1928.

I have the honour to be,

Your obedient servant,
H. C. SMALL,
Secretary.

The Honourable the Attorney-General,
Parliament Buildings,
Toronto.

TWENTY-THIRD ANNUAL REPORT

OF THE

Ontario Railway and Municipal Board

to December 31st, 1928

In pursuance of Section 56 of "The Railway and Municipal Board Act," The Ontario Railway and Municipal Board beg leave respectfully to submit their Twenty-third Annual Report.

Sittings of the Board

The Board held meetings for the transaction of routine business every juridical day throughout the year. The record of the sessions of the Board and an abstract of the proceedings, together with the Judgments or Opinions of the Board, appear in the Appendix.

In this connection it should be stated that about 80 per cent. of the Board's work is not conducted at the formal sessions of the Board shown in the abstract of proceedings above mentioned. This office work of the Board is transacted usually upon written applications and not in the way of formal hearing of parties interested. A classified abstract of the office work of the Board disposed of in the way of formal applications without hearing the parties will be found in the Appendix. In addition to this there is the usual office work of considering and replying to enquiries and other routine correspondence. A short reference is hereafter made, under different sub-headings, of the applications dealt with by the Board *ex parte* or without a formal hearing of the parties interested.

Applications to the Board

There were 551 formal applications made to the Board in 1928. Of the formal applications all those in which the parties were ready to go to trial have been heard and disposed of, except in a few cases where adjournments were granted to the parties at the request of Counsel or in order to procure further evidence or to obtain reports from experts in connection with technical matters in question.

Some of the formal applications are still standing for trial, but the parties are not yet ready to go to trial, as in the more important matters the parties interested are showing an increasing disposition to take advantage of the opportunities afforded them by the Board's rules for obtaining discovery and production, thus, to some extent, delaying the final dates of the hearing of the applications, but in reality facilitating the final disposition at the hearings of all the matters in question between the parties.

Law Stamps

The amount of revenue collected by the Board in Law Stamps in the year 1919 was $4,674.00; in 1920, $6,957.50; in 1921, $8,063.50; in 1922, $9,302.00; in 1923, $10,866.00; in 1924, $10,743.00; in 1925, $7,262.00; in 1926, $5,542.50; in 1927, $6,688.60 and $6,167.50 in 1928.

The decrease in the last four years is due principally to the drastic curtailment by municipalities of their debenture issues, as will appear more fully by reference to subsequent paragraphs of this Report under the headings "Validation of Municipal Debentures" and "Extensions of Municipal Utilities approved by the Board under subsection (2) of section 399 of 'The Municipal Act'."

Provincial Railways

An alphabetical list (under the names of the railway systems affected) of applications to the Board during 1928, affecting Provincial Railways, is contained in the Appendix to this Report.

Extensions of and improvements to Provincial Railways during 1928, as reported to the Board, will be found in the Appendix (arranged alphabetically) under the names of the several systems reporting.

A tabulation (arranged alphabetically) of Railways under the Board's jurisdiction, will be found in the Appendix. This tabulation shows, for each railway, the lengths of first and second main track, total main track, sidings and turnouts, the total computed as single track, the length under construction, the number of power houses and whether steam or water and whence power obtained.

There will be found in the Appendix an analytical tabulated summary of Accident Reports received by the Board for 1928, also a continuation (up to and inclusive of 1928) of the Board's index to Railway Legislation.

The Appendix also contains tables showing provincial aid to railways since Confederation, and an index to Legislation, Dominion and Provincial, since 1867, affecting Railways in Ontario.

Reports to the House

In pursuance of Rule 61a of the House, the Board made enquiry into and reported upon four financial Bills which were introduced last session into the Legislature. A list of the Bills so reported will be found in the Appendix.

Annexations of Territory

There were thirteen applications made in 1928 by urban municipalities for annexation of additional territory thereto. An alphabetical list of annexation applications is contained in the Appendix.

Validation of Municipal Debentures

(Section 304 of "The Municipal Act.")

There were 80 applications to the Board under the above legislation in 1928, involving debentures of a total value of $4,726,726.17. Acting under the powers conferred by the above legislation the Board was able to grant

relief in nearly all of these cases, included in which were more than 48 By-laws affected by irregularities which would otherwise have probably required special Acts of the Legislature to make the debentures valid and saleable.

Municipalities are showing an increasing disposition to have their By-laws and debentures validated under said section 304, even in cases where no irregularities occur requiring the curative powers of the Board thereunder, as they have found that such validation facilitates the marketing of their debentures.

The amount of debentures validated by the Board during 1908 was over $840,000; during 1909 over $1,326,000; in 1910 over $718,000; in 1911 over $1,350,000; in 1912 over $1,330,000; in 1913 over $2,990,000; in 1914 over $3,071,000; in 1915 over $4,172,900; in 1916 over $2,289,700; in 1917 over $1,538,600; in 1918 over $5,273,700; in 1919, $2,209,589.99; in 1920, $4,359,538.05; in 1921, $5,297,925.75; in 1922, $6,046,223.10; in 1923, $6,061,954.16; in 1924, $7,341,426.33; in 1925, $4,544,784.49; in 1926, $2,689,309.24; and in 1927, $4,770,868.50—a total to the end of 1928 of over $70,000,000. An alphabetical list of these applications filed in 1928 is given in the Appendix and will be found indexed under the word "Validation."

Arbitrations

In 1928 the Board officiated as Arbitrators in respect of eight different references made to it under "The Highway Improvement Act." Four of these References were under section 77a of "The Highway Improvement Act," as enacted by section 6, Chapter 18, Ontario Statutes, 1928, and were claims made by land owners for damages or compensation in respect of land affected or taken through the exercise of its powers by the Department of Public Highways. The other References were in expropriation proceedings under "The Highway Improvement Act" and "The Public Works Act."

Assessment Appeals

There were eight assessment appeals to the Board during the year 1928. The assessed value of the property affected by these appeals was over $4,566,000. An alphabetical list of these assessment appeals is contained in the Appendix.

Railway Returns

Annual Reports to December 31st, 1928, by Railway Companies under the Board's jurisdiction were received, of which a summarized tabulation has been prepared for publication herein, and will be found in the Appendix. The Board has no means of auditing the reports as received and does not therefore represent or guarantee that the figures taken therefrom are correct or accurate. Heretofore these reports were copied and tabulated as received and published in the Board's Annual Report; this practice was discontinued for the first time in 1924.

Accidents

A tabulated summary of Accident Reports received by the Board from Provincial Railways during the year 1928 appears in the Appendix and shows that 31 persons were killed and 848 injured during the year.

In 1925, 17 persons were killed and 666 injured; in 1926, 30 persons were killed and 710 injured; and in 1927, 20 persons were killed and 761 injured.

Ontario Safety League

Early in 1913 the members of the Board called together representatives of various organizations which were specially interested in the question of street traffic. Representatives were sent from the Board of Trade, Canadian Manufacturers' Association, City Council, Ontario Motor League, Board of Education, Separate School Board, Toronto Railway Company, Toronto District Labour Council, Boy Scouts, Team Owners' Association, and many others. Every delegate realized that the question was one that dealt with actual dangers to which the public was constantly exposed, and each agreed that some definite and concerted action must be taken. After numerous conferences the Ontario Safety League was organized on the 17th September, 1913. The League has since done much good and vitally useful work towards lessening the dangers of travel, especially on congested highways.

In addition to its Provincial organization the League has become National in its organization and operations. See summary of the League's 1928 campaign which appears in the Appendix.

Plans

(Plans of Land Subdivisions)

Under "The Planning and Development Act" (Chapter 236, R.S.O., 1927), "The Land Titles Act (Chapter 158, R.S.O., 1927, section 110,"), and "The Registry Act" (Chapter 155, R.S.O., 1927), section 80, subsections 14 and 18, the Board considered during the year 38 applications for approval of plans, deeds of conveyance, etc. An alphabetical list of the owners of property in question in these applications will be found in the Appendix.

In 1925 59 such applications were considered, 44 in 1926 and 35 in 1927.

Forms

The Board has (for distribution to parties interested) the following forms and specifications, namely:

(1) The Board's Rules of Practice and Procedure and Practice Forms;

(2) Regulations, Specifications and Forms respecting Railways;

(3) Standard Specifications for Bridges, Viaducts, Trestles or other structures;

(4) Pamphlet containing copy of "The Telephone Act" and with information regarding Provincial Telephone Systems, and including

(a) Specifications for the construction and equipment of telephone systems;
(b) Form of By-law providing for the establishment of a telephone system under Part II of "The Telephone Act";
(c) Form of By-law providing for the issue of Debentures to pay for the cost of establishing a Telephone System under Part II of "The Telephone Act";
(d) Form of By-law to regulate the management and operation of a Telephone System established under Part II of "The Telephone Act";
(e) Form of Annual Report to be furnished to the subscribers to a telephone system established under Part II of "The Telephone Act";

(f) Sample form of Annual Report and Balance Sheet for telephone companies;

(g) Form of account for use by telephone companies using the "Discount System of Collections";

(h) Form of Municipal Debenture—Instalment Plan;

(i) Form of Constitution and By-laws for a telephone company;

(5) Forms of Petition praying for the establishment or extension of a telephone system under Part II of "The Telephone Act";

(6) Forms of By-laws granting to a Telephone Company the right to use the highways in a Township;

(7) Regulations and specifications for telephone or telegraph wires crossing Railway;

(8) Form for Return by Municipality operating a Telephone System;

(9) Form for Return by Company, etc., operating a Telephone System;

(10) Form for Tariff of Tolls for Telephone System;

(11) Forms under "The Planning and Development Act," with directions for guidance of Applicants thereunder;

(12) Forms for submission of a by-law or question to a poll under "The Municipal Act";

(13) Forms of affidavits in support of applications under section 304 of "The Municipal Act";

(14) Preliminary Resolution under section 8 of "The Local Improvement Act";

(15) Forms for Annual Reports by Railway Systems;

(16) Forms for Reports as to Examination of Motormen;

(17) Forms for Reports of Accidents by Railway Systems;

(18) Regulation as to height of car steps;

(19) Directions for guidance of Applicants under subsection (2) of section 399 of "The Municipal Act";

(20) Tariff of the Board's Fees.

Extensions of Municipal Utilities Approved under Subsection (2) of Section 399 of "The Municipal Act."

An alphabetical tabulation (under names of Municipalities) of extensions to public utilities made by Municipalities, and approved by the Board under the above subsection (2), will be found in the Appendix and is indexed under the word "Approval."

The total of these debenture By-laws approved in 1925 was $1,347,941.30; in 1926, $2,378,030.70; in 1927, $3,588,709.73; and $1,820,244.87 in 1928. This of course does not cover extensions made under By-laws approved by the ratepayers, but only under By-laws approved by the Board under the above subsection (2).

Miscellaneous Matters Under the Board's Jurisdiction

A classified analysis of miscellaneous matters dealt with under the jurisdiction of the Board will be found in the Appendix. These include Annexations under "The Municipal Act"; Arbitrations; Assessment Appeals under section 83 of "The Assessment Act"; Restrictions as to use of land or buildings, etc.,

approved under section 398 of "The Municipal Act"; Financial and other Bills reported to the House under Rule 61a; Bridges, relief from reconstruction of, under section 469 (9) of the Municipal Act; Cemeteries, incorporation of additional land in, etc., under section 43 of "The Cemetery Act"; County Road, abandonment of part of, section 457 (3) of "The Municipal Act"; Detachment of farm lands from Town or Village, under section 21 of "The Municipal Act"; Extension of Debenture Issue Period under section 296 (11, 12) of "The Municipal Act"; Deviation of Boundary Roads, Section 480 of "The Municipal Act": Extension of time to pass By-laws under section 288 (5) of "The Municipal Act"; Applications under "The (Municipal) Franchises Act" (section 4, Chapter 240, R.S.O. 1927); Fuel, Municipal dealings in, under section 397 (38) of "The Municipal Act"; Highways (narrow) approved under section 490 of "The Municipal Act"; Highways, Suburban, establishing, closing, etc., section 12 of "The Planning and Development Act"; Adjustment of Claims, under section 5 of "The Housing Adjustment Act, 1927"; Incorporations, under section 19 of "The Municipal Act"; Interest Increase and Interest Decrease By-laws, approval of, under section 300 of "The Municipal Act"; Legislation (special), approval of By-laws under; Local Improvements, Petitions against, under section 8 of "The Local Improvement Act"; Local Improvements, objections against, under section 7 of "The Local Improvement Act"; Local Improvements, abandonment of part of work, under section 18 of "The Local Improvement Act"; Approval of amending By-laws under section 19 of "The Local Improvement Act"; Approval of By-laws under section 26 (3) of "The Local Improvement Act"; "Northern Fire Relief Act," applications under; "The Railway and Municipal Board Act" (chapter 225, R.S.O. 1927), applications under; Parks, setting aside part of for athletic purposes, under section 12 of "The Public Parks Act" (chapter 248, R.S.O. 1927); Repeal of Money By-laws as to residue not raised, section 301 (2) of "The Municipal Act"; Repeal of By-laws for Street Widening, section 343 (3) of "The Municipal Act"; Sewage and Sewage Disposal Works, applications for directions and compensation in respect of, under section 95 of "The Public Health Act"; Sewerage Areas, approval under, special legislation; Sinking Funds, approval of investment of, under section 317 of "The Municipal Act"; "The Suburban Area Development Act" (chapter 237, R.S.O. 1927), section 6, approval agreement under; Tax Rate, approval of further debt, under section 306 (2) of "The Municipal Act"; Towns erected into Cities, under section 19, of "The Municipal Act"; (Police) Villages, formation of, under sections 514 (3) and 517 of "The Municipal Act"; Townships, separation of Junior from Union of, under section 30 (2) of "The Municipal Act"; Unemployment, works and measures to relieve, 12 Geo. V (1922), chapter 41, section 4; Villages erected into Towns, section 19 of "The Municipal Act"; Wards, Division of Cities, etc., into, under section 44 of "The Municipal Act"; Waterworks Areas and Construction (special legislation); Weigh Scales and Weighing of Coal, etc., approval of By-laws under section 400 of "The Municipal Act," and Works ordered by Dominion and Ontario Railway Boards, approval of By-laws for, under section 297 (2) (*f*) of "The Municipal Act."

Public Utilities

We have the honour to submit analyses of Reports for the year ending December 31st, 1928, upon railway operation in the Province of Ontario under the jurisdiction of the Board.

We also submit six tabulated analytical statements prepared from the Annual Reports received from Provincial Railways, and showing the financial position and the operating details of such railways for the year 1928.

H. C. SMALL,
Secretary.

March 7th, 1929.

REPORT OF THE SUPERVISOR OF TELEPHONE SYSTEMS FOR THE YEAR 1928

The following applications under the provisions of "The Telephone Act, were dealt with by the Board in 1928.

Under Section 7: For authority to issue debentures for extensions and improvements to Telephone Systems under Part I..... 1
Under Section 12: For authority to remove signatures from petitions to municipal councils praying for the establishment of a telephone system.. 1
Under Section 19: For the approval of municipal by-laws providing for the establishment of telephone systems..... 2
Under Section 24: For the approval of municipal debenture by-laws to meet the cost of establishing or extending telephone systems..... 31
Under Section 27: For authority to pass municipal debenture by-laws to meet the cost of reconstructing, replacing or altering telephone systems 2
Under Section 28: For authority to issue debentures for the installation of service to non-property owners..... 1
Under Section 30: For authority to meet a portion of debenture payments each year by the issue of new debentures..... 1
Under Section 31: For the approval of the purchase of an existing telephone system by a Municipality..... 3
Under Section 32: For an order fixing the price to be offered by a Municipality for the purchase of an existing system..... 3
Under Section 45: To determine the validity of a special rate levied under the provisions of Part II of "The Telephone Act"..... 3
Under Section 80: For the approval of Municipal by-laws granting the right to erect poles and wires upon the highways..... 28
Under Section 84: For the right to erect poles and wires upon the highways in unorganized territory..... 2
Under Section 88: For the approval of the by-laws of a telephone company 6
Under Section 90: For an Order requiring the reconstruction of a telephone system to ensure the provision of an efficient service..... 3
Under Section 93: For the consent to erection of poles and wires parallel with existing lines..... 2
Under Section 94: For an Order preventing the duplication of pole leads upon the same highway..... 2
Under Section 95: For an Order fixing the terms and conditions for furnishing service..... 2
Under Section 97: For the approval of agreements providing for interchange of service..... 56
Under Section 98: To fix the terms for interchange of service..... 2
Under Section 102: For the approval of the sale of telephone systems.... 10
Under Section 103: For authority to increase the charges for telephone service..... 24

Under Section 110: For authority to expend a portion of the moneys set aside for depreciation upon new construction or extensions or in the purchase of securities	6
Under Section 105: For authority to furnish free telephone service	2
Under Section 111: For authority to issue stock and bonds	5
Under Section 122: For an enquiry as to sufficiency or otherwise of rates charged by Municipality for telephone service	1
Under Section 125: Complaint as to breach of agreement	1
Total number of applications	200

The Board or its Supervisor of Telephone Systems during the year visited eighty-one different points in the Province in connection with the foregoing applications.

The continued policy of the Board in endeavouring to secure an amicable settlement of matters in dispute between the applicant and respondent has, with the assistance of the Board's Supervisor, proved successful in the majority of such cases.

In addition to the applications and complaints referred to, a vast amount of correspondence relating to telephone matters has been dealt with by the Board's Supervisor, through the medium of which much information and assistance has been given to municipalities, companies and other persons interested, and many difficulties which might otherwise have necessitated a formal application and public hearing have been satisfactorily adjusted.

A number of points were visited by the Board's Inspector of Telephone Service during the year for the purpose of investigating complaints made by subscribers, and upon his report and recommendation the Board has been enabled to secure considerable improvement in the telephone service furnished by the systems coming under his observation.

During the year, four systems, viz:—

The Pioneer Telephone Company, Ltd., Woodstock, operating 33 telephones,

The Ashgrove Rural Telephone Company, Ltd., Georgetown, operating 13 telephones,

The Doan Telephone System, Newmarket, operating 21 telephones, and

The Front Road Telephone System, Cobourg, operating 6 telephones,

were purchased by the Bell Telephone Company of Canada and passed out of the jurisdiction of the Board.

Other changes in the ownership of telephone systems were as follows:

The Northern Telephone Company, Limited (formerly The Temiskaming Telephone Company, Ltd.) purchased the telephone system of The Porcupine Power & Telephone Company, Ltd., operating approximately one thousand elephones in the Timmins and Porcupine district.

The Municipality of Blanshard operating The Blanshard Municipal Telephone system purchased the undertaking of The Sebringville Telephone Company, Ltd., comprising four hundred telephones in the townships of Downie and Ellice.

New systems were established by the municipalities of the town of Keewatin and the township of South Monaghan each with approximately one hundred subscribers.

Four small systems comprising an aggregate total of 28 telephones ceased operating.

The number of telephone systems within the jurisdiction of Ontario of which the Board has record is 610, operating approximately 115,000 telephones and representing an investment of about $10,400,000.

There are eleven systems owned and operated by Municipalities under the provisions of Part I of the Act, viz: the cities of Fort William and Port Arthur, the towns of Cochrane, Dryden, Fort Frances, Kenora, Keewatin and Rainy River, and the townships of Alberton, Caledon and Hilliard.

One hundred and eighteen systems are now established and operating under Part II of the Act and furnishing service in two hundred and sixty-seven towns, villages and townships.

Detailed statistics and other information relative to these systems will be found in the appendix to this report, entitled "Telephone Systems, 1929."

FRANCIS DAGGER,
Supervisor of Telephone Systems.

APPENDIX

Procedure File 9859

Application by The Roxborough Municipal Telephone System, under section 103 of "The Telephone Act," for approval of charges for service.

Nov. 16th. Hearing, pursuant to Appointment, Town Hall, Moose Creek, 10 a.m. to 11 a.m. (Mr. Commissioner Ellis authorized under section 8, Chapter 225, R.S.O., 1927).

Nov. 21st. Report of Mr. Commissioner Ellis filed and adopted.

Nov. 21st. Order.

Report of Mr. Commissioner Ellis

In the matter of the application of the Commissioners for the Telephone System of the Municipality of Roxborough for the approval of the following charges for telephone service:

To subscribers:

	Per Annum
For principal and interest	$19.19
For maintenance	10.00
	$29.19
To non-subscribers	$17.00

The undersigned, pursuant to R.S.O., 1927, c. 225, s. 8, attended at Moose Creek on November 16th, 1928, for the purpose of hearing the evidence of all persons interested in this application, the Board's Supervisor of Telephone Systems being also present. The Applicants were represented by Neil A. McIntosh, Chairman of Commissioners, and Murdoch McLeod, Secretary-Treasurer of the Applicants' system.

From the evidence submitted and material filed it would appear that by Order of the Board dated April 12th, 1922, the Applicants were authorized to charge the following rates for telephone service:

	Per Annum
To subscribers	$18.00
To persons not being subscribers	18.00

It subsequently transpired that the following rates were being charged:

	Per Annum.
To subscribers	$29.19
To non-subscribers	17.00

and on November 6th, 1924, a communication was forwarded to the Secretary of the system directing the attention of the Commissioners to the necessity of applying for the approval of these charges. On February 26th, 1925, an application for this approval was filed with the Board, but notwithstanding repeated requests the Applicants failed to furnish the necessary particulars as to receipts and expenditures, etc., until October 15th of this year.

From the material filed and evidence submitted it would appear that the following charges have been collected:

For the years 1923 and 1924:

	Per Annum
Subscribers	$29.19
Non-subscribers	17.00

For the three years ending December 31st, last:

	Per Annum
Subscribers	$25.19
Non-subscribers	17.00

The statements of expenditure upon operation and maintenance submitted show that the revenue produced by the last named rates is barely sufficient to meet the cost of operation and maintenance and to carry out such reconstruction as is necessary to ensure the provision of an efficient service. The undersigned is therefore of opinion that additional revenue must be provided. In view, however, of the wide disparity in the charges between non-subscribers and subscribers it would appear that the latter are being discriminated against in favour of the non-subscribers, which is contrary to the intention of Section 105 of "The Telephone Act."

If, however, the Board insisted upon an equal rate being charged to subscribers and non-subscribers the loss of revenue to the system as a result of the discontinuance of service by those of the latter who are not bound by any contract would defeat the purpose sought to be accomplished by such equalization. Notwithstanding this, the undersigned is of opinion—in which the Board's Supervisor concurs—that any additional revenue should be furnished by the non-subscribers.

In view of the foregoing it is recommended that the following charges be approved:

To subscribers:

	Per Annum
For principal and interest	$19.19
For maintenance	5.81
Total	$25.00

To non-subscribers:

For individual line service	$23.00
For party line service	20.00

and that the Applicants be ordered to put these rates into effect as from January 1st, 1929, subject to the provision that if the Applicants at any time can see their way to make any reduction in such charges such reduction shall apply equally to subscribers and non-subscribers.

(Sgd.) J. A. Ellis,
Commissioner.

Dated this Twenty-first day of November, 1928.

Nov. 22nd, 1928.

ORDER

Upon the application of the above named applicants, upon reading the Report of J. A. Ellis, Esquire, Commissioner, who pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements and other material filed.

The Board orders that the Applicants, the Commissioners for the Telephone System of the Municipality of Roxborough be authorized to charge the following rates for telephone service, to take effect as from January 1st, 1929:

	Per Annum
To subscribers	$25.00
(Said amount to cover instalments of principal and interest in respect of By-law No. 25–1922 of the Municipal Corporation of the Township of Roxborough, and cost of maintenance.)	
To persons not being subscribers within the meaning of subsection (h) of section 1 of "The Telephone Act."	
Individual line service	$23.00
Party line service	20.00

And it is further ordered that, in the event of any reduction being made in charges herein approved, any such reduction shall apply without discrimination to all persons whose premises are connected with The Roxborough Municipal Telephone System whether such persons are subscribers within the meaning of subsection (h) of section 1 of "The Telephone Act," or otherwise.

And the Board makes no order for costs, save and except that the Applicants shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKEOWN.
Chairman.

PROCEDURE FILE A-582.

In the matter of the Petition of G. A. Brown, and others, under section 9 (now section 8) of "The Local Improvement Act," against the construction by the Town of Leamington of a concrete pavement with curbs on Talbot Street, between the Michigan Central Railway Crossing and the west limit of the Town.

June 8th. Draft Order filed.
June 11th. Order issued.

July 12th, 1926.

ORDER

In the matter of the Petition of G. A. Brown, and others, under Section 9 of "The Local Improvement Act," against the construction by the Town of Leamington of a concrete pavement with curbs on Talbot Street, between the Michigan Central Railway Crossing and the west limit of the Town.

The said petition coming on to be heard before this Board on the 7th day of July, 1926, the Board authorized Commissioner J. A. Ellis, one of its members, to report to the Board upon the questions arising out of the said Petition pursuant to the provisions of Section 9 of The Ontario Railway and Municipal Board Act:

And the said petition having come on for hearing before the said Commissioner at Leamington, Ontario, on the 7th day of July, 1926, in the presence of Counsel for the Corporation of the Town of Leamington and the Petitioners, the said Commissioner, after hearing the evidence adduced and what was alleged by Counsel aforesaid, and having viewed the work in question, made his Report to the Board on the 12th day of July, 1926, and the Board having adopted the said Report as the Order of the Board:

The Board orders that so far as the land which has not been subdivided into lots is concerned, there shall first be deducted from the cost of the work opposite such lands, the amount to be paid by the Department of Public Highways out of the Highway Improvement fund in respect of such cost, and that the Corporation of the Town of Leamington shall pay forty per cent. of the remainder of such cost, including in that forty per cent. what would otherwise be the Corporation's share of such cost, and the property owners shall pay the remaining sixty per cent. of such cost.

That so far as the land which has been subdivided into lots is concerned there shall first be deducted from the cost of the work opposite such lands, the amount to be paid by the Department of Public Highways out of the Highway Improvement fund in respect of such cost, and the said Corporation shall pay twenty-five per cent. of the remainder of such cost, including in that twenty-five per cent. what would otherwise be the Corporation's share of such cost, and the property owners shall pay the remaining seventy-five per cent. of such cost.

And the Board further orders that there be no costs of the said Petition to either party, except that $15.00 be paid in Law Stamps upon the Order by the Municipality, and this amount may be added to the cost of the work.

(Seal) (Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1071

In the matter of the Application of the Corporation of the Township of York, under subsection (2b) of section 399a (now section 398) of the Municipal Act, for approval of its By-law Number 9003 repealing its Restricted Area By-law Number 7663 in so far as same relates to that portion of Eglinton Avenue from the Centre Line of the Weston Road westerly to the Humber River.

June 29th. New By-law No. 9084 (and repealing By-law 9003) filed.
July 4th. Order dated 17th May, 1927, approving By-law No. 9084 issued.

May 17th, 1927.

Order

Upon the application of the said Corporation, and the Board having, pursuant to appointment and adjournments thereof heard this application at its Chambers on the 26th day of April and the 4th and 10th days of May, 1927, in the presence of Counsel for the Applicant and W. Mason, a property owner opposing the Application, and Notice of such original Appointment having been duly given as required by Statute and directed by the Board, and the Board having directed that the said By-law No. 9003 be repealed and a new By-law enacted, and such new By-law, being No. 9084, having been so passed and filed with and considered and approved by the Board.

The Board orders, under and in pursuance of the provisions of subsection (2) of section 399a of "The Consolidated Municipal Act, 1922," that the said by-law Number 9084, intituled "A By-law No. 9084. To Repeal By-law No. 7663 (as partially repealed by By-law No. 7931) in so far only as it prevents the erection of a new addition to the Church Building on part of Lot 12, Plan 285, and part of Lot 9, Plan 1878, Township of York," be and the same is hereby approved.

(Seal). (Sgd.) C. R. McKeown.
Chairman.

Procedure File A-1079

In the matter of the Petition of Louise Cline and others, under section 9 (now section 8) of "The Local Improvement Act," against the construction of proposed asphalt pavement on Victoria Street, between Lancaster Street and Filbert Street, in the City of Kitchener.

May 8th. Order issued.

May 6th, 1927.

Order

Upon the petition of Louise Cline and others, pursuant to the provisions of section 8 of "The Local Improvement Act," and the Board having, at a hearing held in this matter pursuant to Appointment on the 28th day of April, A.D., 1927, at the City of Kitchener, heard all Parties interested, and having viewed the location in question and upon consideration of the proposed work,

The Board orders that the City of Kitchener shall pay such portion of the cost of the local improvement referred to as by section 20 of "The Local Improvement Act" the Corporation is required to pay, and in addition thereto the said Corporation shall pay thirty per cent. of the cost of the said work which would otherwise be chargeable upon the land abutting directly upon the work required to be done and that with such amendment the By-law be approved.

And the Board orders that a fee of Fifteen Dollars ($15.00) for Law Stamps be paid on this Order by the Corporation of the City of Kitchener and charge same to the cost of the work.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1102. (P. 517)

Application by the Toronto Transportation Commission, under section 256 of "The Railway Act," for approval of plan of One-Man car for use on its Scarborough Division.

Jan. 24th. Hearing continued—11 to 11.30 a.m., at Board's Chambers. Application granted. (See Reporter's Notes).

Oct. 22nd. Draft Order filed.
Oct. 27th. Order issued. (See also A-1964).

January 24th, 1928.

ORDER

Upon the application of the Toronto Transportation Commission made on the 23rd day of June, 1927, for leave of the Board to operate One-man Cars of an approved type upon the Scarboro Division of its Radial Lines, and the matter having been adjourned until the 22nd day of September 1927 and again until the present day, and upon hearing what was alleged by Counsel for the said Commission, the Township of Scarboro and by representatives and members of various ratepayers' associations and citizens interested in said application, and the Board having, through its own officers, observed the provisional operation of the said One-man Cars upon the said Line,

1. It is ordered that the said Commission be and it is hereby allowed to operate One-man Cars of a type approved by the Board upon the Scarboro Division of its Radial Lines.

2. And it is further ordered that the order made herein shall be without prejudice to any submissions which either the applicant or the Township of Scarboro may have with reference to the mutual rights of the applicant and the Township of Scarboro with reference to the applicant's operation throughout the said Township.

(Seal). (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A–1103a

In the matter of the Application of the Toronto Transportation Commission, for permission to change the gauge of the Mimico Division of its Radial Railways from the Standard Railway gauge to the gauge existing upon its Toronto System, under section 97 of "The Railway Act."

April 2nd. Draft Order filed.

April 2nd. Order issued.

October 20th, 1927.

ORDER.

Upon application made to the Board on the 3rd and 10th days of May 1927 and the 20th day of October, 1927, and upon hearing what was alleged by Counsel for the Applicant, for the Corporation of the Town of New Toronto, for the Corporation of the Town of Mimico and for the Corporation of the Township of Etobicoke, and upon hearing what was alleged by His Worship the Reeve of the Township of Toronto, and judgment on the application having been reserved until this day,

1. This Board doth order that the said Application be and the same is hereby granted and that the Applicant, The Toronto Transportation Commission, be forthwith permitted to change the gauge upon the Mimico Division of its Radial Railways from the standard gauge of 4 feet 8½ inches to the gauge prevailing in the City of Toronto, namely, 4 feet 10⅞ inches, such change to be made in accordance with plans to be submitted by the applicant and approved by the Board's Engineer, and to be without prejudice to any claim that any Municipality interested herein may make in connection with the double tracking of the system or in any other respect whatsoever.

2. And this Board doth further order that the Applicant do pay upon this Order Law Stamps to the value of $10.00.

(Seal). (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A–1141

Application by the City of Kitchener, under subsection (2b) of section 399a (now section 398) of the Municipal Act, for approval of its By-law Number 1957, amending its Restricted Area By-laws 1823, as amended by By-laws Nos. 1834 and 1835, to permit the extension of the business districts on King St. West, Duke St. and Joseph St.

May 17th. Copy of By-law 1991, amending By-law 1957, filed.
May 17th. Approved draft Order filed.
May 17th. Order approving By-law 1991 issued.

June 14th, 1927.

ORDER

Upon the petition of the Corporation of the City of Kitchener, pursuant to the provisions of Section 399a of "The Consolidated Municipal Act, 1922," and the Board having, at a hearing held in this matter pursuant to Appointment on Tuesday, the fourteenth day of June, A.D., 1927, at the City of Kitchener, heard all parties interested, and upon consideration of the proposed By-law,

The Board orders that the said By-law of the City of Kitchener, Number 1991 (being an amendment of By-law 1957) be, and the same is hereby approved.

(Seal). (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A–1398

Application by the City of Kitchener, under subsection (2b) of section 399a (now section 398) of the Municipal Act, for approval of its By-law No. 1987, further amending its Zoning Ordinance By-law No. 1823 (as amended by By-laws 1834 and 1835) as to business and industrial areas.

Jan. 6th. New By-law No. 1995 (amending By-law 1823 as amended by By-laws 1834 and 1835) filed.

Jan. 6th. Application granted.
Jan. 6th. Order issued.

January 6th, 1928.

ORDER

Upon the application of the said Corporation, and the Board having, pursuant to Appointment, duly heard such application at the Council Chamber, in the City Hall, in the City of Kitchener, on the 20th day of December, A.D., 1927, in the presence of Counsel for the Applicant and certain ratepayers in support of and in opposition to the By-law, and proof of due Notice of such Hearing having been filed, and the Board having approved the said By-law Number 1987 in so far as same related to parts of Lots 41 and 42, Plan 217, and the Board having directed a new By-law covering only the aforesaid properties to be filled, and such By-law (Number 1995) having this day been so filed,

The Board orders, under and in pursuance of the provisions of subsection (2b) of section 399a of "The Consolidated Municipal Act, 1922," that the said By-law Number 1995, intituled "By-law No. 1995 of the City of Kitchener. A By-law to amend the Zoning Ordinance," be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1431

Between:

The Corporation of the Township of Tisdale,

Appellant,

—and—

The Dome Mines, Limited,

Respondent.

(Assessment Appeal)
(Income)
($251,510)

Jan. 4th. Hearing, pursuant to appointment, 11 a.m. to 12.45 p.m., at Board's Chambers for return of Motion as to Board's jurisdiction. Appellants to file and serve material lodged with the Municipal Clerk initiating this appeal, with proof, by affidavit as to date of lodging same. (See Reporter's Notes.) Judgment reserved.

Feb. 2nd. Hearing 11 a.m. to 12.45 p.m., pursuant to appointment. Argument concluded. Judgment reserved.

Feb. 9th. Judgment delivered. Respondent's Solicitor to draft Order.
Mar. 1st. Draft Order filed.
Mar. 1st. Order issued.

In the matter of the Township of Tisdale,

Appellants.

—and—

Dome Mines, Limited,

Respondents.

—and—

In the matter of the Township of Tisdale,

Appellants,

—and—

McIntyre-Porcupine Mines, Limited

Respondents.

(Assessment Appeals)

JUDGMENT

The Respondents in both the above mentioned matters are incorporated companies carrying on a mining business in the Township of Tisdale, and the Assessor for the Township of Tisdale, in fixing the assessment for income chargeable against each of the said Respondents, assessed the said Respondents for an income assessment made up:

Firstly, of the income derived from the products of the mines directly, and

Secondly, the profits accruing to the said mining corporations by reason of the investment of the surplus earnings not distributed by way of dividends made by the said Respondents in the carrying on of their business, and against this latter assessment the Respondents appealed to the Court of Revision.

The Respondents, in the carrying out of their mining business after the payment of running expenses, dividends, etc., accumulated a surplus which might have been distributed to the shareholders by way of dividends, but which in the discretion of the Directors of the Respondent companies was placed in a reserve fund, and from time to time this surplus was invested in different securities, the income from which investments the Appellants sought to tax as income directly or indirectly derived from the mines.

On an appeal to the Court of Revision the assessment of the Assessor was confirmed when the Respondents took a further appeal from the Court of Revision to His Honour, the District Judge of the District of Cochrane, The said District Judge allowed the appeals and held that the Respondent companies were not liable to assessment in the Township of Tisdale on their non-operative income.

The Municipality of the Township of Tisdale then appealed to this Board. It was firstcontended on the part of the Respondents that under The Assessment Act the municipality had no right of appeal from the District Judge to The Ontario Railway and Municipal Board, and that this right of appeal was exhausted when it reached the County or District Judge.

This question came up by way of a Motion made by the Respondents for the purpose of having decided the jurisdiction of the Board to hear this appeal before the matter was argued on its merits.

Mr. A. J. Thompson of the firm of Tilley, Johnston, Thompson and Parmenter, and Mr. C. C. Calvin of the firm of Fasken, Robertson, Aitchison, Pickup and Calvin, appeared for the Respondents, and Mr. A. G. Slaght, K.C., of the firm of Slaght and Cowan, appeared for the Appellants.

The Assessor of the Municipality of the Township of Tisdale had assessed the Dome Mines, Limited, and the McIntyre-Porcupine Mines, Limited, respectively, for $....., and the said Dome Mines, Limited and the McIntyre-Porcupine Mines, Limited, appealed from this assessment to the Court of Revision for the said municipality, where the assessment was confirmed in each case. The said Dome Mines, Limited, and the McIntyre-Porcupine Mines, Limited, then further appealed to the District Judge and here the appeals were allowed and the assessments struck out, and an appeal is now being made by the Municipality of the Township of Tisdale from the decision of the District Judge to this Board.

On behalf of the Respondents it is argued:

(1) That the Appellants did not comply with the statutory provision as to the service of the Notice of Appeal upon the Clerk of the Municipality or upon the Assessment Commissioner within twenty-one days from the date of the delivery of judgment, and

(2) That in any event there is no appeal at the instance of the municipality from the decision of the District Judge to the Ontario Railway and Municipal Board.

These questions were heard by the Board at Toronto on Wednesday the 4th of January, A.D., 1928, and upon hearing what was alleged by counsel for all parties permission was granted to the Appellants to file further evidence to establish that the municipality had complied with the statutory provisions as to the filing or serving of Notice of Appeal within the twenty-one days provided by the statute, and on the filing of such evidence permission was further granted to the Respondents to cross-examine the person making the affidavit as to service of the Notice of Appeal upon his such affidavit, and judgment was reserved.

The solicitor for the Appellants has since the said hearing filed an affidavit of service showing that the Notice of Appeal was served upon the Clerk of the Municipality within the twenty-one days after the delivery of judgment as required by the Act, and counsel for the Respondents elected not to examine the Clerk of the Township of Tisdale upon his affidavit filed in connection therewith.

The sections of The Assessment Act hereinafter referred to have reference of course to the Act as it stood previous to the going into force of the Revised Statutes of Ontario 1927, as all proceedings in connection with this matter were taken previous to that date.

It is interesting to follow the history of the particular section in question that we may see wherein any change is made from time to time, and come to a conclusion as to the result of such change.

Section 76 of "The Consolidated Assessment Act of 1892," being 55 Victoria, Chap. 48, enacts as follows:

"Subsection (1), where there is an appeal from any Court of Revision under Section 68 of this Act to the County Court Judge of the County in which the assessment is made, and a person, partnership or corporation desiring to appeal has been assessed on one or more properties to an amount aggregating $50,000, *such* person, partnership or corporation shall.....have the right to appeal." This section setting out that such person has the right to appeal, and "such person" referring to the person assessed for an amount aggregating $50,000 undoubtedly excludes the municipality from the right to appeal therein given.

Section 68 of the same Act, subsection (1) reads as follows:

"An appeal to the County Judge shall lie not only against a decision of the Court of Revision on an appeal to the said Court, but also against the omission, neglect or refusal of said Court to hear or decide an appeal." This leaves rather indefinite the person or corporation entitled to appeal, but this indefinite situation is cleared up when we get to 4 Edw. VII, Chap. 23, Section 68, which reads as follows:

"An appeal to the County Judge shall lie at the instance of the Municipal Corporation, or at the instance, etc." Here the municipal corporation is undoubtedly given the right to appeal to the County Judge, but by Section 76 of Chap. 23, 4 Edw. VII, this right is not extended to the municipal corporation when the question of an appeal from the County Judge is to be considered, because by that section the right is again given to such person as is assessed for the amount therein set out, which of course excludes the municipal corporation from the right to appeal.

When, however, we get to 1913 a drastic change is made in Section 76 of the Act, and instead of giving the right to appeal to "such person as is assessed" for certain amounts as have been set out in the Acts heretofore referred to, Section 76 is by Chap. 46 of 3 and 4 Geo. V. repealed and the following substituted therefor:

"(1) Where a person is assessed to an amount aggregating in a municipality in territory without county organization $10,000 or upwards, and in any other municipality $40,000 or upwards, an appeal shall lie from the decision of the Judge to The Ontario Railway and Municipal Board, and 'any person who had appealed or was entitled to appeal' from the Court of Revision to the Judge shall be entitled to make the appeal to the Board."

The above now stands as subsection (1) of Section 80 of the present Act. Whether intentionally or not one can readily see that there is a very distinct change in the reading of the section as it now stands and the section as it stood from 1892 up to 1913. By Section 2 (ka) of the present Assessment Act "person"

shall include any partnership, any body corporate or politic, and the words executors, administrators or other legal representatives of a person to whom the context can apply according to law. The municipal corporation is a body corporate, and as such comes within the definition of the word "person" used in Section 80 of the said Assessment Act, and if this is correct then Section 80 of the present Assessment Act might read "where a person is assessed, etc., an appeal shall lie.....to the Ontario Railway and Municipal Board, and any person (including municipal corporation) who had appealed or was entitled to appeal from the Court of Revision to the Judge shall be entitled to make the appeal to the Board."

There is probably no question as to the right of a municipal corporation to appeal to the County Judge as such right is definitely given by Section 72 of the said Act, and we cannot see how we can deprive a municipality of the right to come to the Board, especially in view of the action of the Legislature in making such a distinct change in former Section 76 of The Assessment Act as is made in Section 80 of the present Act.

This Board is therefore of the opinion that the right to appeal from the Court of Revision to the County Judge having been explicitly extended to the municipality in 1913, and the Act as it now stands distinctly stating that any person (including a corporation) who (or which) was entitled to appeal from the Court of Revision to the County Judge, shall be entitled to make the appeal to the Board, extends to a municipality the right to appeal from the decision of the County or District Judge to The Ontario Railway and Municipal Board, as contended by counsel for the Appellants.

The Board having decided the question of jurisdiction as above set out the appeal came up for hearing on Thursday the 2nd day of February, A.D., 1928, when in addition to counsel above mentioned Mr. R. S. Robertson, K.C., appeared in company with Mr. C. C. Calvin for the Respondents, the Dome Mines, Limited.

Counsel for the Appellants contended most strenuously that the assessment appeal came under Section 40, subsection (6), and that in conjunction with this subsection must be read the definition of the word "income" as set out in Section 2 (e) of The Assessment Act which reads in part as follows:

"Income shall mean the profit or gain, etc.....and shall include the interest, dividends or profits directly or indirectly received from money at interest upon any security or without security."

This is not the first occasion on which the question of what is meant by the "income from a mine or mineral work," as set out in subsection (6) of section 40 has been raised, and we think we could not do better than refer to the language used in re Coniagas Mines Company and the Corporation of the Town of Cobalt, reported in 15 O.L.R. at page 386, in our endeavour to arrive at what is meant by the income of a mine or mineral work.

Therein it is stated that by Section 40 of The Assessment Act the manner in which real estate shall be assessed is set out, and that by subsection (6) of said Section 40 mining property is put in a somewhat different category from that of ordinary real estate.

Agricultural property shall be assessed at its actual value, but when we come to the assessment of mining property, the actual value thereof being made up largely of the mineral deposit therein, it is treated in a manner somewhat different from the ordinary agricultural land, and so the Legislature by subsection (6) of Section 40 has said that to assess mining property the income from the mine or mineral work shall be assessed.

What is intended by this section by the words "Income from a mine or mineral work?" In re Coniagas Mines Company v. Cobalt above referred to, this definition is given: "The lands and the buildings, that is, all the property that is visible shall be valued as agricultural lands. The hidden treasure when raised from the mine becomes income, gain or profit, and is then subject to taxation in the same manner as other incomes under the Act." This seems to us to be a full definition of what is meant by the income from a mine or mineral work, the words "mineral work" being no doubt added to cover the labor process, etc. required to be gone through for the purpose of converting the hidden treasure when raised from the mine to an article ready for the market.

Then we would refer to re Union Natural Gas Company of Canada and the Township of Dover, 47 O.L.R., page 1, where His Lordship, Chief Justice Meredith, in delivering the Judgment of the Court of Appeal upon an appeal from a decision of The Ontario Railway and Municipal Board, says at page 7, "It is to be noticed also that is is not the income from the business carried on by the Appellants, but the income from the mine or mineral work that is to be assessed."

We are, therefore, of the opinion that the decision of His Honour, the Judge of the District Court of the District of Cochrane, was right and that the two companies, the Respondents herein, are not liable to assessment by the Township of Tisdale in respect of income derived from investments made by them apart from their operation of the mines. The appeals must therefore be dismissed, and the Judgment of His Honour the Judge of the District of Cochrane be confirmed.

The Board will make no Order as to costs except that the Appellant Township shall pay $20.00 for Law Stamps, the Board's tariff fee herein. If these cases were heard separately the Board's tariff fee would be $40.00, but as they were heard together the Board directs a payment of $20.00 as aforesaid.

Dated at Toronto, the Ninth Day of February, A.D., 1928.

(Sgd.) C. R. McKeown,
Chairman.

Feb. 9th, 1928.

ORDER

Between:

The Township of Tisdale,

Appellant,

—and—

Dome Mines, Limited,

Respondent.

Upon hearing Counsel for the Corporation of the Township of Tisdale, the above-named Appellant, in the presence of Counsel for the Respondent, Dome Mines, Limited, upon hearing read the application of the said Appellant, the evidence adduced before the said District Judge, the Affidavits of John Burton Hutchison, Collamer Chipman Calvin and Frank C. Evans, filed, the Exhibits therein referred to, the Order aforesaid and the other proceedings herein, and upon hearing what was alleged by Counsel for both parties,

1. It is ordered that the said Appeal be and the same is hereby dismissed.

2. And the Board makes no order as to costs, except that the Appellant shall pay the sum of Twenty Dollars for Law Stamps, the Board's tariff fee herein.

(Seal)

(Sgd.) C. R. McKeown,
Chairman

PROCEDURE FILE A-1432

Between:

The Corporation of the Township of Tisdale

Appellant,

—and—

The McIntyre Porcupine Mines, Ltd.

Respondent.

(Assessment Appeal)
(Income)
($104,444.)

Jan. 4th. Hearing, pursuant to Appointment, 11 a.m. to 12.45 p.m., at Board's Chambers for return of Motion as to Board's jurisdiction. Appellants to file and serve material lodged with the Municipal Clerk initiating this Appeal, with proof, by affidavit as to date of lodging same (See Reporter's Notes).

Judgment reserved.

Feb. 2nd. Hearing, 11 a.m. to 12.45 p.m., pursuant to Appointment. Argument concluded—Judgment reserved.

Feb. 9th. Judgment delivered. Respondent's Solicitor to draft Order.

Feb. 27th. Draft Order filed.

Feb. 27th. Order issued.

(For copy of Judgment see P.F. A-1431)

Feb. 9th, 1928.

ORDER

Between:

The Corporation of the Township of Tisdale,

Appellants,

—and—

McIntyre-Porcupine Mines, Limited,

Respondents.

(Assessment Appeal.)

Upon the application of the above named Appellants, by way of appeal from the Order of His Honour the Judge of the District Court of the Provisional Judicial District of Cochrane, whereby it was held that the Respondent Company was not liable to assessment in the Township of Tisdale on its non-operative income, and upon hearing what was alleged by Counsel for the Appellant and the Respondent.

1. This Board doth order that the said appeal be and the same is hereby dismissed and the judgment of His Honour the Judge of the District Court of the Provincial Judicial District of Cochrane be and the same is hereby confirmed.

2. And the Board makes no Order as to costs.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1438

Between:

The Corporation of the City of Toronto.

Appellant,

—and—

William A. Price,

Respondent.

(Assessment Appeal.)

Jan. 17. Hearing 11 a.m.: 12.15 to 12.40 p.m., and at 3 p.m. Appeal abandoned by Counsel for City of Toronto.

PROCEDURE FILE A-1476

Between:

The Corporation of the City of Toronto,

Appellant,

—and—

J. A. Davidson,

Respondent.

(Assessment Appeal.)

(Hampton Court Apartments.)

Jan. 17th. Hearing, pursuant to Appointment, 11 a.m. to 12.15 p.m. Judgment delivered *viva voce* at conclusion of Hearing dismissing Appeal.

PROCEDURE FILE A-1479

Between:

Florence K. Thompson,

Appellant,

—and—

The Corporation of the City of Toronto,

Respondent.

(Assessment Appeal.)
(Property—$57,750.)

Jan. 11th. Hearing, pursuant to Appointment, 11 a.m. to 1.30 p.m. Hearing concluded—Judgment reserved.

Jan. 21st. Judgment delivered—Appeal dismissed.

Jan. 31st. Approved draft Order filed.

Jan. 31st. Order issued.

JUDGMENT

In the matter of the Application to The Ontario Railway and Municipal Board by way of appeal from the judgment of His Honour Judge Denton, Judge of the County Court of the County of York, as touching the assessment of properties numbered 119, 121, 129, 131, 133 and 135 King Street East, located in what is known as the Market Block on the south side of King Street between Church and Jarvis Streets, Toronto, wherein Florence K. Thompson is the Appellant, and the City of Toronto is the Respondent.

This property was assessed by the Assessor for the City of Toronto at $400 a foot frontage, and upon an Application to the Court of Revision by the Apellant the said assessment was reduced to $375 per foot frontage. The Appellant then appealed from the assessment fixed by the Court of Revision to the County Judge and the assessment was again reduced, this time to $325 per foot frontage, and the Appellant now comes by way of appeal before this Board asking for a further reduction of the said assessment.

The evidence offered in support of this appeal and the evidence offered in opposition thereto was somewhat contradictory. William A. Thompson, husband of the Appellant, in his evidence stated that he had been a resident of that particular locality of the City of Toronto for nearly forty years, and that he had knowledge of the value of real estate on that part of King Street, and his opinion was that $200 per foot frontage would be a fair valuation of the property in question.

Charles Gillespie, Manager of the Toronto Furnace Company for a number of years, which Company occupies the property immediately west of one of the properties subject of this appeal, gave evidence similar to that of Mr. Thompson, but while Mr. Gillespie felt that $200 per foot frontage was a fair valuation of the property, there is the outstanding fact that the property of the Toronto Furnace Company is now assessed for $400 per foot frontage, and that no appeal thereto has been entered by the Toronto Furnace Company.

Alfred R. Capreol and Arthur O. Husband also gave evidence on behalf of the Appellant, but their evidence had to do more with the loss in value of real estate along King Street between Church and Jarvis Streets than as to its actual present value.

For the Respondent, Mr. Harry Nixon, Supervisor of Assessors, gave evidence and produced plans showing the assessment of many properties in the vicinity of the land in question, and expressed his opinion that the property subject of the present appeal is worth $500 per foot frontage on King Street. It would appear that a number of years ago the City of Toronto and the present Appellant entered into an Agreement as to the occupation of the property in question, the City of Toronto being the owners thereof, whereby the said property was fixed at $250 per foot frontage as a valuation upon which the rental should be adjusted.

It is contended by the Appellant that since that time the value of real estate along that part of King Street has deteriorated as compared with other properties in the City, although it is admitted that the general average value of properties in Toronto is very much increased. The contention of the Appellant appears to be that for the business now carried on by him the property in question is not as valuable as it was a number of years ago, but it is admitted that if a large seed company desired to locate in Toronto this particular property would be an ideal location by reason of the other seed companies located in that vicinity, and would be worth for that purpose much more than it is for the business carried on by the Appellant. It can hardly be contended by the Appellant that admitting the property to be valuable for a certain purpose its value for assessment purposes should be reduced because the business he wishes to conduct thereon is not a business suitable for that particular locality.

The learned County Judge having taken into consideration matters affecting this assessment, and having fixed the price for assessment purposes at $325 per foot frontage, this Board is of the opinion that there has not been produced before it sufficient evidence to warrant it in disturbing the decision arrived at by the learned County Judge.

The Appeal must therefore be dismissed.

There will be no costs to either party, save and except $10.00 to be paid by the Respondent, being the Board's fee for Law Stamp on the Order herein.

(Sgd.) C. R. McKeown,

Dated at Toronto the
21st day of January, A.D. 1928. *Chairman.*

January 21st, 1928.

Order

Upon the appeal to the Board under Section 80 of the Assessment Act, being Revised Statutes of Ontario, 1914, Chapter 195, from the judgment of a Judge of the County Court, after hearing read the pleadings and what was alleged by Counsel for both parties,

The Board orders that this appeal be dismissed without costs.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1505

Application by the City of Toronto, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law 11473—"Lawrence Park" District.

Jan. 10th. Application and copy of By-law filed.

Feb. 8th. Hearing, pursuant to Appointment, 11 a.m. to 1 p.m., at Board's Chambers. Pending negotiations and amendments Hearing adjourned to Mar. 15th next, at Board's Chambers.

Mar. 13th. New By-law (in lieu of and repealing By-law 11473) No. 11572, filed.

Mar. 15th. Hearing, pursuant to adjournment, 11 a.m. to 4 p.m. Judgment reserved one week pending conisderation by City re Devine property (Dunwick St. and St. Lawrence Ave.) Lots 892 and 893 and for Notice as required by Statute re new By-law. Hearing adjourned one week pending action by parties. (See Reporter's notes.)

Mar. 22nd. Hearing continued, 11 to 11.30 a.m. Amending by-law 11617 filed. Judgment reserved.

Mar. 23rd. Judgment delivered. Application granted approving By-law 11572 as amended by 11617.

Apr. 5th. Approved draft Order filed.

Apr. 5th. Order issued.

Judgment

This is an Application made by the City of Toronto for the approval of By-law No. 11473 passed by the Municipal Council of the Corporation of the City of Toronto to regulate the spacing and character of buildings in the district known as Lawrence Park, and to prohibit the use of land or the erection or use of buildings in said district for any purpose except detached private residences.

The matter came up for hearing on Wednesday the 8th day of February, 1928, when Mr. H. H. Johnstone, Assistant City Solicitor, appeard for the City of Toronto in support of the By-law, supported by Mr. Norman Somerville, K.C., and Mr. Carter.

Mr. J. E. Jones, K.C., appeared in opposition to the By-law as it applied to Lots Nos. 265, 266 and 270 on Dawlish Avenue, Mr. J. C. Tuthill appeared opposing the By-law as to Lots Nos. 134 and 135, corner Lawrence Avenue and Weybourne Crescent. Mr. Kent opposed the By-law as it applied to Lot No. 19, Plan 1485, while Mr. Sinclair and Mr. W. C. Simpson opposed the approval of the By-law as it applied to Lawrence Avenue East.

A number of private citizens were also heard in support of the By-law, and certain suggested amendments were made by the Board. For the purpose of giving the Corporation of the City of Toronto an opportunity to consider such suggestions the matter was referred back to the City of Toronto, and the Hearing stood adjourned until Thursday the 15th day of March, 1926.

On Thursday the 15th day of March, 1928, pursuant to said adjournment the Board resumed the Hearing herein, and in the meantime the Municipal Council of the Corporation of the City of Toronto had taken into consideration the suggested amendments and presented to the Board a new By-law embodying the amendments desired to be made by the said City Council.

The suggested amendments, if made in the original By-law, would have rather changed the complexion of the By-law, and for the purpose of better drafting and possibly for the purpose of presenting a more properly drawn By-law, the Solicitor for the City of Toronto had the original By-law which had been presented to the Board repealed and a new By-law, No. 11572, passed, being the original By-law with the suggested amendments embodied therein.

Formal objection was made by Mr. Tuthill that the Appellants, the City of Toronto, having repealed the By-law originally placed before the Board, and having presented a new By-law for consideration, the Board was not in a position to consider the said new By-law without issuing new notices and consigning the whole matter *de novo*.

The solicitor for the City of Toronto, however, contended, and after mature consideration does not see fit to change his contention, that the new By-law is in all respects, save and except its number, the original By-law with the amendments added thereto, and this Board believing that due notice having been given to everyone affected thereby, and all parties interested being properly represented before the Board, thinks that consideration of the By-law as now presented might well be gone into.

All parties were therefore heard on Thursday, the 15th day of March, 1928, said Hearing lasting until half-past four o'clock in the afternoon, at which time an adjournmnent was made for one week to give the City Council an opportunity of considering certain objections raised against the approval of the By-law, and the question that Mr. Constable had raised on behalf of his clients.

On Thursday, the 22nd Day of March, 1928, pursuant to said adjournment, the undersigned resumed the Hearing herein when Mr. W. H. Johnstone, Assistant City solicitor, filed By-law No. 11617 amending By-law No. 11572 by providing certain special provisions in regard to Lots Numbers 892 and 893, all parties present being favourable to the Board's approval of the said By-law as amended.

After considering what was contended by all parties in connection therewith, this Board approves the said By-law No. 11572, as amended by By-law No. 11617, and directs that an Order shall be issued in accordance therewith.

There shall be no costs in connection therewith, save and except that the City of Toronto shall pay $35.00 for Law Stamps, the Board's tariff fee herein.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Dated at Toronto the 23rd day of March, A.D. 1928

(Sgd.) J. A. Ellis,
Commissioner.

March 23rd, 1928.

Order

Upon the application of the Corporation of the City of Toronto, upon reading the material filed by C. M. Colquhoun, Esquire, Solicitor for the Applicant, and upon hearing the evidence adduced and what was alleged by Counsel for the Applicant and for certain ratepayers opposing the application and certain other ratepayers residing in the district affected.

The Board orders, under and in pursuance of section 398 of "The Municipal Act," being Chapter 233, Revised Statutes of Ontario, 1927, that By-law No. 11572 of the Corporation of the City of Toronto, replacing said By-law No. 11473, and intituled "No. 11572. A By-law to regulate the spacing and character of buildings in the district known as Lawrence Park and to prohibit the use of land or the erection or use of buildings in said district for any purpose except detached private residences," and amending By-law No. 11617 of the Corporation of the City of Toronto, intituled "No. 11617. A By-law to amend By-law No. 11572 respecting restrictions in the district known as Lawrence Park," be and the same are hereby approved.

(Seal)

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1510

Between:

Hollinger Consolidated Gold Mines, Ltd.,

Appellant,

—and—

The Corporation of the Township of Tisdale,

Respondent.

(Assessment Appeal.)
(Land, buildings and equipment.)
($105,580.)

Jan. 9th. Notice of Appeal filed.

Oct. 31st. Hearing, pursuant to Appointment, 10.30 a.m. to 12.30 p.m., at Board's Chambers. Hearing concluded. Judgment reserved.

Nov. 3rd. Judgment delivered.

JUDGMENT

The Appellants, Hollinger Consolidated Gold Mines, Limited, are the owners of a large mining property in the Township of Tisdale, and in the carrying out of their mining operations the Directors of the said mine decided that it is necessary that they should by some process fill in much of the space from which rock and other material have heretofore been excavated to enable the said Appellants to carry on their mining business in safety.

In compliance with this decision the said Appellants in their wisdom purchased a large sand-pit some three and a half miles distant from their actual mining property, and for the purpose of conveying sand from the said sand-pit to the Hollinger mines, there was erected what might well be termed an aerial tramway along which buckets were made to travel from the sand-pit to the mines carrying loads of sand to different locations on the mining property, where the sand was deposited to be subsequently used in the filling-in process above referred to.

The Assessor for the Township of Tisdale in making his regular assessment assessed this aerial tramway so-called from the borders of the mine proper to its terminus at the sand-pit at slightly more than $90,000. Against this assessment the Appellants appealed first to the Court of Revision where the assessment was confirmed, then to His Honour, the District Judge, who dismissed the appeal, and from the decision of the District Judge to this Board.

The Appellants and the Respondents agreed that the evidence taken before His Honour, the District Judge, should be accepted by all parties, and there was no dispute before this Board as to the question of fact, nor was any evidence offered as to the value of the property assessed, although one of the grounds for appeal as filed was that the property or buildings are assessed at too high a value.

The Appellants relied chiefly upon subsection 17 of section 5 (now subsection 19 of section 4), and upon subsection 4 of section 40 of "The Assessment Act," being Chapter 238 of the Revised Statutes of Ontario, 1927.

It was contended by the solicitor for the Appellants that under subsection 4 of section 40 all buildings, plant and machinery used in mining operations was exempt, and that this structure being used in mining operations therefore comes under the section and must be exempt from taxation; the subsection reads:

"The buildings, plant and machinery IN, ON OR UNDER MINERAL LAND, and used mainly for obtaining minerals from the ground, etc."

While the aerial tramway or structure in question might be considered as a part of the plant of The Hollinger Consolidated Gold Mines, Limited, it was not even contended that it was wholly or nearly wholly in on or under the mineral land owned and worked as a mine by the Appellants, and as the words "mineral land" in the subsection must surely refer to the mineral land used for mining purposes by the Appellants the structure in question, in the opinion of this Board, not being in, on or under said mineral land, is outside the section and is therefore not covered as one of the exemptions referred to therein.

Then as to subsection 19 of section 4 counsel for the Appellants contended that this structure should come in as exempt under this subsection which exempts all fixed machinery used for manufacturing purposes, including the foundations on which the same rests, and counsel argued that the extracting of gold from the the earth and from the rock was a manufacturing process, and that all the machinery properly used in connection with the said mines was the machinery

used for manufacturing purposes. Whether or not the extracting of gold from the rock is a manufacturing industry is a matter on which the Board does not feel itself called upon to pass judgment.

The Legislature in its wisdom placed certain special sections in "The Assessment Act" as affecting mines and mining industries, and it is very doubtful if there was any intention that subsection 19 of section 4 should in any way be applied to the machinery of a mining industry.

However, without deciding that point subsection 19, in the opinion of the Board, does not extend an exemption to the aerial tramway or structure in question as the said subsection says distinctly that fixed machinery used for the purposes of a tramway for the purpose of conducting any property, substance or product capable of transportation is not exempt from taxation. This is a reading of the section after eliminating a large part that does not apply, and piecing together only so much thereof as appears to apply to the present application.

The Board is therefore of the opinion that subsection 19 of section 4 does not extend the exemption as argued by counsel for the Appellants to the aerial tramway or structure in question, and that the said structure not being in, on or under the mineral land of the Appellants is not covered by subsection 4 of section 40, and that the appeal must therefore be dismissed, with costs to be paid by the Appellants to the Respondents forthwith after taxation thereof.

(Sgd.) C. R. McKeown,
Toronto, November 3rd, 1928. *Chairman.*

(Sgd.) A. B. Ingram,
I agree *Vice-Chairman.*

(Sgd.) J. A. Ellis.
I agree *Commissioner.*

Procedure File A-1511

Application by the Town of Leaside, under section 4 of "The Municipal Franchises Act" (Chapter 240, R.S.O., 1927), for approval of franchise to The Consumers' Gas Company of Toronto, as provided for in its By-law No. 163.

Jan. 14th. Application filed.

Feb. 20th. Hearing, pursuant to Appointment, 11 a.m. to 12.40 p.m. Hearing concluded. Judgment reserved.

Feb. 25th. Interim Report issued

Mar. 26th. Hearing, 10 a.m. to 12 m.d., pursuant to adjournment by Interim Report. Hearing concluded—*viva voce.* Judgment by Chairman. Application granted. Applicant's Solicitor to draft Order and submit to City and Gas Company for approval as to form.

Apr. 19th. Order—following form of approval draft filed,—issued.

In the matter of the Application of the Town of Leaside for approval of franchise to The Consumers' Gas Company of Toronto, as provided for in its By-law No. 163.

INTERIM REPORT

This is an application made by Mr. T. J. Agar, K.C., on behalf of the Town of Leaside asking that this Board shall approve of a By-law passed by the Town of Leaside and numbered 163, being a By-law to extend to The Consumers' Gas Company of Toronto a franchise to supply gas to the residents of the said Town of Leaside. Mr. W. B. Milliken, K.C., appeared for The Consumers' Gas Company of Toronto, and Mr. G. R. Geary, K.C., appeared for the Corporation of the City of Toronto opposing the approval of the said By-law.

The application was heard at Toronto on Monday the 20th Day of February, A.D., 1928, when it was contended that under the Act of Incorporation of 1848, being 11 Victoria, Chap 14 (Canada) as extended by a further Act, 16 Victoria, Chap. 142 (Canada), the Consumers' Gas Company had power to supply gas only to such territory as was distinctly named in the different Acts above mentioned, and as it applied to the City of Toronto as it was in 1853 Mr. Geary placed strong emphasis on the fact that under 16 Victoria, Chap. 142, power is given to the Company to supply gas to the City of Toronto, the Town or Village of Yorkville, and "to the Township of York adjacent to the said City of Toronto," Mr. Geary contending that the words "Township of York adjacent to the said City of Toronto" must apply only to that part of the Township of York immediately adjacent to the City of Toronto at the time of the passing of the said Act, 16 Victoria, Chap. 142, and inasmuch as at that date the northern limit of the City of Toronto was but a few hundred yards north of Queen Street, the power given by the said Act to the Consumers' Gas Company as far as the Township of York is concerned only extended to that part of the Township of York immediately adjacent to the then northern limit of the City of Toronto.

No evidence was offered by any of the parties, and the only question before the Board being the question as to whether or not the Consumers' Gas Company has under legislation or Letters Patent authority to extend its works into the Township of York further than what was immediately adjacent to the City of Toronto in 1853.

Looking therefore at the rights of the Consumers' Gas Company of Toronto as set out in the legislation and in the Letters Patent and in the Supplementary Letters Patent this Board is faced with the Supplementary Letters Patent issued by the Legislature of the Province of Ontario on the 15th day of April, 1913, which said Supplementary Letters Patent read in part as follows:—

"Now therefore know ye that under the authority of the hereinbefore in part recited statute, and of any other power or authority whatsoever in us vested in this behalf we do by these Our Royal Supplementary Letters Patent (a) authorize the Consumers' Gas Company of Toronto to extend its works and pipes and exercise its powers within the Townships adjoining the limits of the City of Toronto and the limits of the Township of York subject to all the rights of the municipalities affected thereby under The Municipal Act or any statutes respecting the same," etc.

This Board is, therefore, of the opinion that the Township of York being one of the Townships adjoining the limits of the City of Toronto is a Township into which the Consumers' Gas Company of Toronto has by such Supplementary Letters Patent power to extend its works, and that in 1913 when said power was given to the Consumers' Gas Company to extend its works into the Township of York as above set out that right extended to the territory which since 1913 has been taken out of the municipality of the Township of York and now constitutes the Town of Leaside.

This application, however, is made to The Railway and Municipal Board under Section 4, Chap. 240, R.S.O. 1927. By such section a local municipality passing a By-law to grant a franchise upon its highway must give notice of such intention to a city lying within five miles of the said local municipality, and if having received such notice the city within four weeks thereafter gives notice in writing to the Council of such local municipality that it objects to the granting of the franchise above referred to the said Local municipality cannot grant such franchise without first acquiring the approval of The Railway and Municipal Board.

The Town of Leaside having submitted to a vote of its electors the question of the granting of the franchise to supply gas in the Town of Leaside by the Consumers' Gas Company, and the said electors having by a large majority voted in favor of the said grant, notice was given to the City of Toronto in compliance with the section above referred to, and the City of Toronto then gave written notice to the municipality of Leaside that it objected to the granting of the franchise as set out in the said by-law.

The Town of Leaside, therefore, in compliance with the requirements of The Municipal Franchises Act, Section 4, made application to the Railway and Municipal Board for its approval.

This Board would be in a very much better position to decide upon the advisability or inadvisability of approving of the said By-law if evidence were submitted setting out the facts as to whether or not the exercising of the franchise granted by the Town of Leaside to the Consumers' Gas Company affects the citizens of Toronto in any detrimental way.

With the desire to hear evidence as to that this Board will sit at its Chambers in the Parliament Buildings, Toronto, on Monday the Twelfth Day of March, 1928, at Ten o'clock in the Forenoon, to hear any evidence that may be submitted by any of the parties hereto, or any further argument which may be offered in connection therewith.

(Sgd.) C. R. McKeown,
Chairman.

I agree

(Sgd.) A.B. Ingram,
Vice-Chairman.

Dated at Toronto the 25th Day of February, A.D. 1928

(Sgd.) J. A. Ellis,
Commissioner.

March 26th, 1928.

Order

This application coming on for hearing on the 20th February, 1928, and this day, in the presence of Counsel for the Town of Leaside, the City of Toronto and The Consumers' Gas Company of Toronto, and upon hearing what was alleged by T. J. Agar, Esq., K.C., and J. L. G. Keogh, Counsel for the Town of Leaside, G. R. Geary, Esq., K. C., and W. C. Angus, Counsel for the Corporation of the City of Toronto, and S. B. Milliken, Esq., K.C., Counsel for the Consumers' Gas Company of Toronto, and upon reading the Application and other material filed, and it appearing that the assent of the electors of the Corporation of the Town of Leaside was duly given to the aforesaid By-laws on the 5th day of December, 1927, pursuant to the provisions of "The Municipal Act," being Chapter 233, of the Revised Statutes of Ontario, 1927.

The Board doth order and certify under and in pursuance of Section 4 of "The Municipal Franchises Act," being Chapter 240 of the Revised Statutes of Ontario, 1927, that By-law No. 163 passed by the Municipal Council of the Corporation of the Town of Leaside on the 30th day of June, 1926, intituled "A By-law of the Corporation of the Town of Leaside to grant to the Consumers' Gas Company of Toronto, the right to extend its works and pipes into the Town of Leaside," be and the same is hereby approved, ratified and confirmed.

The Board doth further order and certify that By-law No. 191 passed by the Municipal Council of the Corporation of the Town of Leaside on the 30th November, 1927, entitled "A By-law to provide for the submission to the electors at the annual election on December 5th, 1927, of a question of ratification of By-law 163 passed 30th June, 1926, granting to The Consumers' Gas Company of Toronto a franchise in the Town of Leaside" be and the same is hereby approved, ratified and confirmed.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1512

Application by the Township of East York, under section 398 of "The Municipal Act," for approval of its By-law No. 1243, dividing the township into industrial, business and residential areas.

Jan. 4th. Application and material filed.

Apr. 17th. Hearing, pursuant to Appointment, 11 a.m. to 1.35 p.m., at Board's Chambers. Application granted. By-law to be amended as directed by Board. (See Reporter's Notes.)

June 18th. Amending By-law 1347 filed.

Aug. 17th. Approved draft Order filed.

Aug. 17th. Order, approving By-law 1243, as amended by 1347, issued.

June 18th, 1928.

Order

Upon the application of the said Corporation, and the Board having, pursuant to Appointment on the 17th day of April, 1928, heard all Parties interested —Notice of such Appointment having been duly given as directed by the Board, —and the Board having granted the application of the said Township subject to certain amendments being made to the By-law in question, and a By-law, Number 1347, embodying such amendments having been this day filed.

The Board orders, under and in pursuance of the provisions of section 398 of "The Municipal Act," that the said By-law Number 1243, intituled "By-law Number 1243 of the Township of East York, being a By-law for the purpose of dividing the Township into industrial, business and residential areas and restricting the user of land and buildings within the defined areas," as amended by the said By-law Number 1347, be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1524

Application by the City of Toronto under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 11474—"Rosedale District."

Jan. 24th. Application and material filed.

Mar. 14th. Hearing, pursuant to Appointment, 11 a.m. to 12.15 p.m., at Board's Chambers. Application granted. City Solicitor to draft Order (See Reporter's Notes).

Mar. 16th. Draft Order filed.

Mar. 16th. Order issued.

March 14th, 1928.

ORDER

Upon the application of the Corporation of the City of Toronto, upon reading the material filed by C. M. Colquhoun, Esquire, Solicitor for the Applicant, upon hearing the evidence adduced and what was alleged by Counsel for the Applicant and by certain ratepayers opposing the application and certain other ratepayers residing in the district affected.

The Board orders, under and in pursuance of Section 398 of "The Municipal Act," being Chapter 233, Revised Statutes of Ontario, 1927, that By-law No. 11474 of the Corporation of the City of Toronto intituled "No. 11474. A By-law to prohibit the use of land or the erection or use of buildings for any other purpose than that of a detached private residence in the Rosedale District," be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1529

Application by the City of Kitchener, under section 490 of "The Municipal Act," for approval of its By-law No. 1985—to open and widen Edward St. to Waterloo St., at a width less than 66 feet (41 ft. 1 in.).

Jan. 30th. Application and material filed.

Feb. 23rd. Hearing pursuant to Appointment, 12.45 to 1 p.m., Council Chamber, Kitchener. Application granted.

Mar. 20th. Draft order filed.

Mar. 20th. Order.

February 23rd, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the said By-law and the other material filed, and the Board having, this day, pursuant to Appointment, at the Council Chamber, in the City of Kitchener, heard all Parties interested, and no one appearing in opposition thereto although public notice of the Appointment was duly given as directed by the Board.

The Board orders, under and in pursuance of the provisions of section 490 of "The Municipal Act," that the said By-law Number 1985, intituled "By-law Number 1985 of the City of Kitchener. A By-law to open and widen Edward Street," be and the same is hereby approved.

(Seal) (Sgd.) A. B. INGRAM,
Vice-Chairman.

PROCEDURE FILE A-1530

Application by the City of Kitchener, under section 490 of "The Municipal Act," for approval of its By-law No. 1986—to open and widen Bismarck Ave., between Waterloo and Edward St., at a width less than 66 feet—(41 ft. 1 in.).

Jan. 30th. Application and material filed.

Feb. 23rd. Hearing, pursuant to Appointment—12.45 to 1 p.m., at Council Chamber, Kitchener. Application granted.

Mar. 20th. Draft Order filed.

Mar. 20th. Order issued.

February 23rd, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the said By-law and the other material filed, and the Board having this day, pursuant to Appointment, at the Council Chamber, in the City of Kitchener, heard all Parties interested, and public notice of such Hearing having been duly given as directed by the Board.

The Board orders, under and in pursuance of the provisions of section 490 of "The Municipal Act," that the said By-law Number 1986, intituled "By-law Number 1986 of the City of Kitchener. A By-law to open and establish Bismarck Avenue," be and the same is hereby approved.

(Seal) (Sgd.) A. B. INGRAM,
Vice-Chairman.

PROCEDURE FILE A-1536

In the matter of section 28 of "The Public Works Act," (Chapter 52, R.S.O., 1927), and in the matter of the compensation by the Ontario Department of Public Highways for removal of certain building owned by W. G. Hay, on the east part of Lot 393, Plan 1043, on the northwest side of the Lake Shore Road, in the Town of New Toronto.

Feb. 4th. Reference to Board by Acting Minister of Public Works and Highways.

Feb. 25th. Statement of Claim by Wm. G. Hay filed.

Mar. 6th. Hearing, pursuant to Appointment, 11 a.m. to 11.15 a.m., at Board's Chambers. Not proceeded with, Board ruling that it has no jurisdiction. No costs awarded (See Reporter's Notes).

PROCEDURE FILE A-1541

Application by the City of Kitchener, under section 398 of "The Municipal Act," for approval of its By-law Number 1999, amending its Zoning Ordinance By-law 1823 (as amended by By-laws 1834 and 1835) by adding certain business districts at the end of section 1, Division "C."

Feb. 9th. Application and material filed.

Feb. 23rd. Hearing, pursuant to Appointment, 10 to 11 a.m., Council Chamber, Kitchener. (See Vice-Chairman's Notes.)

Mar. 8th. Copy of By-law 2003 (in lieu of By-law 1999) filed.

Mar. 12th. By-law 2003 approved. City Solicitor to draft Order.

Mar. 20th. Draft Order filed.

Mar. 20th. Order issued.

March 12th, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the copy of each of the said By-laws and the other material filed, and the Board having, pursuant to Appointment on the 23rd day of February, A.D., 1928, at the Council Chamber, in the City of Kitchener, heard evidence in support of and in opposition to the application for approval of By-law Number 1999, and Notice of such Hearing having been duly given as directed by the Board, and a new By-law (No. 2003) in lieu of By-law 1999 having been filed in accordance with the Board's directions.

The Board orders, under and in pursuance of the provisions of section 490 of "The Municipal Act," that the said By-law Number 2003, intituled "By-law Number 2003 of the City of Kitchener. A By-law to amend the Zoning Ordinance," be and the same is hereby approved.

(Seal) (Sgd.) A. B. INGRAM,
Vice-Chairman.

PROCEDURE FILE A-1542

Application by the City of Kitchener, under section 398 of "The Municipal Act," for approval of its By-law Number 2000, amending its Zoning Ordinance By-law 1823 (as amended by 1834 and 1835) by adding certain business districts at the end of Section 1, Division "C."

Feb. 9th. Application and material filed.

Feb. 23rd. Hearing, pursuant to Appointment, 10 to 11 a.m., Council Chamber, Kitchener. Application granted. City Solicitor to draft Order.

Mar. 20th. Draft Order filed.

Mar. 20th. Order issued.

February 23rd, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the copy of each of the said By-laws and the other material filed, and the Board having this day, pursuant to Appointment, at the Council Chamber, in the city of Kitchener, heard all Parties interested, no one appearing in opposition to the application although public notice of the Hearing was duly given as directed by the Board.

The Board orders, under and in pursuance of the provisions of section 398 of "The Municipal Act," that the said By-law Number 2000, intituled "By-law Number 2000 of the City of Kitchener. A By-law to amend the Zoning Ordinance," be and the same is hereby approved.

(Seal) (Sgd.) A. B. INGRAM,
Vice-Chairman.

PROCEDURE FILE A-1543

Between:

W. E. Wood, *et al*,

Applicants,

—and—

Dr. A. L. Russell
(trading as The Russell Telephone System),

Respondent,

(Application for an enquiry into alleged unsatisfactory and inefficient service in the Township of South Monaghan, under section 90 of "The Telephone Act.")

Feb. 9th. Application filed.

Feb. 28th. Hearing, pursuant to Appointment, 1.30 to 4 p.m., township Hall, South Monaghan. (Chairman authorized under section 8, Chapter 225, R.S.O.)

Apr. 19th. Report of Chairman filed and adopted.

Apr. 19th. Order.

REPORT OF CHAIRMAN

The undersigned having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

Toronto, April 19th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

(Sgd.) J. A. ELLIS,
Commissioner.

April 19th, 1928.

ORDER

Upon the application of the above named Applicants, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, and other material filed,

The Board orders:

1. The Respondent shall forthwith make a complete inspection of the poles, wire and other outside equipment comprising the telephone system operated by him, and shall as expeditiously as possible carry out such replacement, reconstruction and repairs as may be necessary to put such equipment in condition to render efficient service. This work shall include:

(*a*) The replacement of all poles which from age or decay have become unsafe or unfit to carry their required load or to withstand strain and stress from wind storms, etc.

(*b*) The straightening and guying of all poles wherever necessary.

(*c*) The replacement of all iron wire which by reason of rust has become unsafe or has developed such an abnormal high resistance as to interfere with proper voice transmission.

(*d*) The cutting out and remaking of all badly made, rusty or high resistance joints in the line wire. All joints in old wire must be soldered and all joints in new wire must be made with sleeves.

(*e*) The replacement of all missing or broken insulators, crossarms, pins or brackets, which by reason of age or decay are unsafe or unfit for service.

2. The Respondent shall forthwith have an inspection made by a competent man of every subscriber's station equipment and the person making such inspection shall:

(*a*) Thoroughly overhaul the telephone set, clean all contacts and make all necessary adjustments and repairs. Wherever a telephone set is in such a condition as to necessitate it being replaced, or where any new part is required which cannot be installed at the time of the inspection, a report to that effect must be made to the Respondent.

(*b*) Install condensers in all telephones not already so equipped.

(*c*) Install a standard protector with a tubular fuse at each subscriber's station not already so equipped.

(*d*) Examine the inside wiring and wherever necessary rewire the premises. Care must be taken to see that there are no loose, unsoldered or uncovered joints in the inside wiring.

(*e*) Examine the ground rod and see that it is driven into moist earth so that not more than six inches is exposed above the ground, also that the ground wire is run from the protector in the shortest and most direct manner possible, avoiding unnecessary corners and soldered to the rod or attached thereto by a standard ground rod clamp.

(*f*) Examine the run-off from the road to the house and if it is iron wire see that it is clear of trees, attached to insulators and all joints properly made and soldered. If the run-off is covered wire see that it is clear of trees, all joints properly soldered and covered and terminated at the line wire by a properly soldered joint. If connectors are used such connectors must be first approved by the Board's Supervisor of Telephone Systems.

(*g*) Test all batteries and where necessary replace same. The Respondent is hereby authorized to charge each subscriber the cost of batteries wherever in the opinion of the inspector it is necessary to replace them.

3. The Respondent shall remove the switchboard at Bensfort and terminate all lines at Bailieboro. The present switchboard at the last named point shall be replaced by one of modern type, equipped with operator's head set. The central office wiring shall be renewed completely, each circuit being protected by modern equipment of a standard type. The lead from the central office pole to the protector equipment shall be cable, shall be properly supported and free from contact with trees or other obstructions and shall enter the building in such manner as shall avoid possible mechanical injury to same.

4. The Respondent shall on or before July 31st, himself or jointly with the Millbrook Rural Telephone Company, Limited, as may hereafter be agreed, erect a metallic trunk circuit between the central office at Bailieboro and the central office of the before mentioned company at Millbrook, and upon completion of the said circuit all long distance conversations or messages originating or terminating upon the system of the Respondent shall be routed via Millbrook. In the event of the Respondent and The Millbrook Rural Telephone Company,

Limited, failing to reach an agreement providing for interchange of service between Bailieboro and Millbrook by means of the trunk circuit referred to herein on or before May 31st, 1928, the Board will, pursuant to Section 98 of "The Telephone Act" (R.S.O., 1927, c. 227), prescribe the terms and conditions for such interchange.

5. The Respondent shall employ such additional staff as may be necessary to carry out the provisions of this Order and shall proceed with the work indicated herein and carry on the same as continuously as climatic conditions will permit and in such manner as will enable the completion of the work on or before August 31st, 1928.

6. The Respondent shall cause to be kept at the Central office in a book provided for that purpose a record of all complaints made by subscribers, either verbal or in writing, showing:

(*a*) Date and time of receiving complaint.
(*b*) From whom received.
(*c*) The nature of complaint.
(*d*) The date and time complaint attended to.
(*e*) Cause of trouble complained of and what done to remove same.
(*f*) By whom cause of trouble removed.

And the Board makes no order for costs or for Law Stamps in respect of this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1545

Application by the Adelaide Telephone Co., Ltd., under section 103 of "The Telephone Act," for authority to increase charges for service.

Feb. 10th. Application filed.

Mar. 2nd. Hearing, pursuant to Appointment, 1.30 to 4 p.m., Town Hall, Strathroy. (Vice-Chairman authorized under section 8, Chapter 225, R.S.O., 1927).

Mar. 7th. Report of Vice-Chairman filed and adopted. Application granted.

Mar. 7th. Order.

Report of Vice-Chairman

In the matter of the Application of The Adelaide Telephone Company, Limited, for authority to increase the charges for services, as follows:

Lines terminating at Kerrwood:

Individual Line	from $15.00 to $20.00 per annum.
2-party Line (new rate)	$18.00 per annum.
4-party Line	from $12.00 to $16.00 per annum.
Rural Party Line:	from $10.00 to $16.00 per annum.

Lines connecting at Strathroy:

Rural Party Line Service	from $15.00 to $19.00 per annum.

Supplementary Charges:

Extension Wall Telephone	from $ 5.00 to $ 8.00 per annum.
Extension Desk Telephone	from $ 7.00 to $10.00 per annum.

The undersigned, having heard the evidence of all parties relative to this application recommends that the annexed Order be adopted as the Order of the Board.

(Sgd) A. B. INGRAM,
Vice-Chairman.

March 7th, 1928.

ORDER

Upon the application of the above named Applicant, upon reading the Report of A. B. Ingram, Esquire, Vice-Chairman, who, pursuant to appointment, heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements and other material filed.

The Board orders, subject to the several conditions prescribed in this Order, that the Applicant, The Adelaide Telephone Company, Limited, be authorized to make the following charges for telephone service for one year from April 1st, 1928:

Lines terminating at Kerrwood:

Individual Line	$20.00 per annum.
2-Party Line	$18.00 per annum.
4-party Line	$16.00 per annum.
Rural Party Line	$16.00 per annum.

Lines connecting at Strathroy:

Rural Party Line Service	$19.00 per annum.

Supplementary Charges:

Extension Wall Telephone	$ 8.00 per annum.
Extension Desk Telephone	$10.00 per annum.

The Board further Orders:

1. The Applicant shall on or before January Thirty-first, 1929, furnish the Board with a statement showing in such detail as the Board may require:

(*a*) The revenue and expenditure from January 1st, 1928, to March 31st, 1928.

(*b*) The revenue and expenditure from April 1st, 1928, to December 31st, 1928.

2. The rates herein authorized shall cover the furnishing of continuous service, Sundays and holidays included, and the renewal of all batteries whenever necessary for the purpose of furnishing efficient service.

3. That for the purpose of providing a fund to meet the cost of the renewal of its plant and equipment, the Applicant shall on December 31st, 1928, and each year thereafter, set aside out of its earnings a sum equal to not less than five per cent. of the total value of the plant and equipment used in the Applicant's business on December 31st, in each year. The fund so provided shall, unless otherwise authorized by the Board, be applied exclusively to the cost of renewing such portion of the said plant and equipment as may from time to time be rendered necessary by depreciation or obsolescence, and after deducting thereform such amounts as may have been so expended in any one year the balance remaining shall be deposited in a chartered bank at interest, and the

money so deposited may, with the approval of the Board, be invested in interest-bearing securities, and all interest accruing from any portion of the depreciation fund so deposited or invested shall from time to time be carried to the credit of the said fund.

4. That the Applicant shall on or before the Fifteenth day of January in each year furnish the Board with a Report setting forth:

(*a*) The total amount standing at the credit of the depreciation fund on the first day of January in the preceding year.

(*b*) The amount transferred from revenue to such fund in the year ending December 31st last.

(*c*) The amount expended upon reconstruction, and replacements in the year ending December 31st last.

(*d*) The total amount standing at the credit of such fund on December 31st last.

(*e*) The amount of such fund which has been used in the purchase of securities.

(*f*) The names and values of the securities so purchased.

(*g*) A certified statement from the Bank showing the balance standing at the credit of the depreciation reserve on the 31st day of December last.

5. That the Applicant shall keep separate records of all expenditure upon the construction, operation, maintenance and renewal of its plant and equipment, and shall each year furnish its shareholders with an Annual Report and Balance Sheet in the form approved of by this Board, as set forth on pages 156 to 159 of "Telephone Systems, 1923," or in such form as may hereafter be prescribed by the Board.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1550

Application by the Chartered Trust & Executor Co., Owner, under "The Planning and Development Act," for approval of plan of part Block "M," Plan M. 423. filed in Land Titles Office, at Toronto.

Feb. 15th. Application and material filed.

Feb. 20th. Hearing, pursuant to Appointment, 11 a.m., at Board's Chambers. Adjourned at request of Counsel to Friday, 24th inst., at 11 a.m.

Feb. 24th. Hearing continued, 11 a.m. to 12.30 p.m. Hearing adjourned *sine die*, applicant desiring to consider submitting amended plan. (See Reporter's Notes).

PROCEDURE FILE A-1559

Between:

H. C. Maisonville,

Appellant,

—and—

The Ford Motor Company of Canada, Ltd.,

Respondent,

(Assessment Appeal)
(Land and buildings)

Feb. 17th. Notice of Appeal filed.

Feb. 17th. Notice of Cross-appeal filed.

Apr. 24th. Hearing, pursuant to Appointment, 10 a.m. to 4 p.m., Town Hall, Ford City. Judgment reserved. Written Argument to be put in.
May 5th. Written Argument filed by Mr. Springsteen.
May 10th. Written Argument filed by Mr. Furlong.
May 11th. Submission by Mr. Davis, on behalf of the Appellant.
June 28th. Judgment delivered. (Appeal dismissed).

Between:

H. C. Maisonville,

Appellant,

—and—

The Ford Motor Company of Canada, Limited,

Respondent,

—and—

The Ford Motor Company of Canada, Limited,

Appellant,

—and—

The Corporation of the Town of Ford City and H. C. Maisonville,

Respondents.

JUDGMENT

Mr. William Walter Allen, Assessor for the Town of Ford City for the year 1927, made an assessment against the property of the Ford Motor Company of Canada, Limited, as follows:

The Land; $1,207,842; The Buildings, $3,087,649.

The Appellant, H. C. Maisonville, a ratepayer of the Town of Ford City, appealed against this assessment to the Court of Revision of the said Town of Ford City, contending that the said assessment was too low, and upon the said assessment being confirmed by the Court of Revision the said Appellant made a further appeal to the County Judge of the County of Essex, who on the 10th day of January, 1928, delivered his judgment dismissing the appeal of the said Appellant, and at the same time dismissing a cross appeal entered by the Ford Motor Company excepting as to a reduction in the building assessment set forth in Exhibit 3 in connection with the hearing before the said County Judge.

From this judgment the said Appellant now appeals to The Ontario Railway and Municipal Board, and the Ford Motor Company of Canada, Limited, enters a cross appeal in connection therewith.

While the Town of Ford City did not appear in the capacity of an Appellant, Mr. B. R. Furlong appeared as representing the Town of Ford City an interested party to the appeal; Mr. F. D. Davis, K.C., appeared for the Appellant and Mr. S. L. Springsteen appeared for the Ford Motor Company of Canada, Limited.

No appeal was made as to the assessment on the land, that having been agreed upon and accepted by all parties as correct, the appeal to this Board being as to the buildings erected thereon, and of course as to such business tax as may be changed by an altered assessment of said buildings. To arrive at an accurate and absolute value of the buildings of the Ford Motor Company for assessment purposes is a very difficult undertaking indeed.

The Assessment Act provides by Section 40, subsections (2) and (3) that the value of the buildings for assessment purposes shall be the amount by which the "value of the land is thereby increased" and further "that buildings shall be assessed for the amount of the difference between the selling value of the whole property and the selling value of the land if there were no buildings on it."

The very large extent of the buildings in question makes this a proposition almost unique in Canada, and as a direct selling proposition it would be one the value of which must largely be an estimate by reason of the fact that so few, if any, actual purchasers are likely to be found in the present condition of the market. The fact that a purchaser can with difficulty be found must not, however, be taken as reducing the selling value of the buildings occupied by the Ford Motor Company to an absurdity. A number of factors must be considered to arrive at the actual value including Section 72, Subsection (17) of "The Assessment Act," and in this instance the actual value is probably as close to the real selling value as any estimate or guess could arrive at, no prospective purchaser at the present time being in the market. It would, of course, be ridiculous to suggest that the selling value is a value which the buildings have to a person who does not want to use them or who could not use them to advantage and ignore their value to a person or corporation which could use them to advantage.

Expert evidence was offered as touching the several factors which go to make up the actual or selling value of the buildings. In support of the appeal the Appellant offered the evidence of Mr. Irwin F. Coveney and Mr. Melville D. Eames, both experts as to the reproduction value of the buildings and as to their present value after allowing for depreciation and obsolescence. The evidence offered by these witnesses would place the value of the buildings at something over $3,000,000, Mr. Coveney placing it at $3,777,341. His estimate is based on the fact that the buildings now on the land are worth the figure above mentioned to the Ford Motor Company, and in their present condition they could not be replaced even after allowing for depreciation for a lesser sum. The figure placed upon the buildings by Mr. Eames is somewhat larger, his estimate being $4,435,143, and he goes very extensively in his evidence into the value placed by him upon several of the buildings calculating from its replacement cost, less depreciation and obsolescence.

The Appellant also called two witnesses from Montreal, admitted by the Solicitor for the Ford Motor Company to be experts, and according to their evidence the value of the buildings was placed at, in or about $4,000,000. Mr, W. W. Seymour stated in answer to a direct question that a willing seller on the one side and a willing purchaser on the other the selling value of the buildings as they now stand would in his opinion be $4,000,000.

On behalf of the Respondent, the Ford Motor Company of Canada, Limited, and in support of the cross appeal, there was offered the evidence of Mr. Frank B. Poucher, Mr. Frank McLaughlin and Mr. James B. Niven, all admitted experts and men of high standing in their respective professions. Mr. Poucher, in answer to a question as to the amount the buildings would add to the selling value of the land in view of the evidence he had just heard, and in view of the statement of Mr. Philip W. Grandjean, the General Manager of the Ford Motor Company of Canada, Limited, stated that he would place the value at $1,100,000. Mr. Poucher stated that he did not value the buildings in detail but rather in groups, considering that in this way they would sell to the best advantage. Of course by dividing the building into groups Mr. Poucher is hardly estimating their value for the purpose for which they now are being used, which we take to be their most desirable use; he suggests that he has divided them into

groups that they may be sold possibly in various ways to various purchasers. Mr. Poucher does not say this, but the fact that he has in his estimate divided the buildings into groups gives one that impression of his valuation. Mr. Poucher further admits that he took no measurements of the buildings although he went through them, but accepted the measurements as furnished to him by another witness.

Mr. McLaughlin placed the selling value of the buildings at $1,000,000, while Mr. Niven placed the value at from $800,000 to $1,000,000.

With such a difference in the expert opinion as to the actual and selling value of the buildings under consideration, and with the sworn evidence of the assessor before us that in the assessment of the Ford Motor Company buildings they were in his opinion assessed equitably as compared with other buildings coming under his work as an assessor, and having read over the very careful and exhaustive judgment of the learned Judge of the County Court of the County of Essex, we see no reason why that judgment should be interfered with. The appeal and the cross appeal must therefor be dismissed.

And there will be no costs save and except that the Town of Ford City shall pay $15.00, the Board's fee for Law Stamp herein.

(Sgd.) C. R. McKeown,
Chairman.

Dated at Toronto the 28th Day of June, A.D., 1928.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1560

Between:

Ford Motor Company of Canada, Ltd.,

Appellant,

—and—

The Corporation of the Town of Ford City and H. C. Maisonville,

Respondent.

(Assessment Appeal)
(Land and Buildings)

Feb. 17th. Notice of Appeal filed.
Apr. 29th. Hearing, pursuant to Appointment, 10 a.m. to 4 p.m., Town Hall, Ford City. Judgment reserved. Written argument to be put in.
May 5th. Written Argument filed by Mr. Springsteen.
May 10th. Written Argument filed by Mr. Furlong.
June 28th. Judgment delivered.
June 28th. Appeal dismissed.
(For copy of Judgment see P.F. A-1559)

Procedure File A-1578

Application by the City of London, under section 398 of "The Municipal Act," for approval of its Town Planning By-law 8702-27 as amended by its By-laws Nos. 8722-28 and 8738-28.

Feb. 25th. Application and copies of By-laws filed.

May 1st. Hearing, pursuant to Appointment, 10 a.m. to 12 md.—Council Chamber, City Hall, London. Adjourned to 6th June, 1928, at 10 a.m., to hear Pocock objection.

(See P.F. A-1629)

PROCEDURE FILE A-1580

Application by the Slate River Municipal Telephone System, under section 103 of "The Telephone Act," for authority to increase its charges for service.

Feb. 25th. Application and material filed.

Aug. 20th. Hearing, pursuant to Appointment, 9.30 to 10.30 a.m., Council Chamber, Port Arthur. Application granted.

Sept. 13th. Order.

September 13th, 1928.

ORDER

Upon the application of the above named applicants, upon hearing the evidence adduced on behalf of all parties, upon reading Statements of Assets and Liabilities, Receipts and Disbursements and other material filed.

The Board orders that the Applicants, the Commissioners for the Telephone System of the Municipality of Paipoogne (known as The Slate River Municipal Telephone System), be authorized to charge the following rates for telephone service:

To Subscribers:

For Individual Line Service.....$35.00 per annum.
For Party Line Service.....$30.00 per annum.
to take effect as from January 1st, 1928.

To Persons not being subscribers within the meaning of Subsection (h) of Section 1 of "The Telephone Act" (R.S.O. 1927, c. 227);

For Individual Line Service.....$38.00 per annum.
For Party Line Service.....$33.00 per annum.
to take effect as from January 1st, 1929.

And the Board makes no order for costs, save and except that the Applicants shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1582

Application by the Township of Scarborough, under 13-14 Geo. V, Chapter 88, (Section 13, subsection 3), for approval of its By-law No. 1538—to set apart an Area to be known as "Combined Sewerage Area Number 1."

Feb. 27th. Notice of Application filed.

Mar. 20th. Hearing, pursuant to Appointment, 11 to 11.30 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

Mar. 24th. Draft Order filed.

Mar. 26th. Order issued.

March 20th, 1928.

ORDER

Upon this matter coming on for hearing this day, public notice of the hearing having been duly given as directed by the Board, and upon hearing what was alleged by John Leeming Grogan, Esquire, Counsel for the applicant, and upon reading the duplicate original of the said proposed By-law and the other material filed, and no one appearing to oppose the application:

The Board doth order and certify, under and in pursuance of the provisions of Chapter 88 of the Statutes of the Province of Ontario passed in the thirteenth and fourteenth years of the reign of His Majesty, King George V, that the said By-law Number 1538, intituled "By-law Number 1538 of the Township of Scarborough being a By-law to provide for setting apart an enlarged defined area of the Township of Scarborough for the benefit of which may be constructed, operated and maintained a sewerage system and works, and to provide for the construction and maintenance of such a system and works, and for the issue of debentures to the amount of Six Hundred Thousand Dollars to pay for such construction" be and the same is hereby approved.

And it is further ordered that in respect to sewers already constructed, or now under construction in Sewerage Area Number 1, which is included in said Combined Sewerage Area Number 1, for which debentures have not already been issued, the proportion of cost thereof which would have been assessed against said Sewerage Area Number 1 shall instead be charged, levied and assessed against combined Sewerage Area Number 1 as defined by said By-law Number 1538.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1584

In the matter of the Petition of Dr. S. M. Nagle, and others, under section 8 of "The Local Improvement Act," against the proposed distribution of cost of local improvement—pavement on Laurier Ave. East, from Nicholas St. to Charlotte St.—in the City of Ottawa.

Feb. 28th. Petition filed.

Mar. 9th. Hearing, pursuant to Appointment, 11 a.m. to 12 md., City Hall, Ottawa. 50% of total cost to be paid by City and 50% by property owners: City's 50% to include street intersections, surface drainage, etc.

Mar. 22nd. Draft Order filed.

Mar. 22nd. Order issued.

March 9th, 1928.

ORDER

The Petition of Dr. S. M. Nagle and others, under Section 8 of "The Local Improvement Act," against the proposed distribution of cost of a proposed asphalt pavement on Laurier Avenue East from Nicholas Street to Charlotte Street in the City of Ottawa having come on to be heard before the Board at a special sittings thereof, held at the City of Ottawa on Friday, the 9th day of March, A.D., 1928, at the hour of eleven o'clock in the forenoon, in the presence of Aldermen Dansereau and Cunningham on behalf of the said Petitioners and of Counsel on behalf of the Corporation of the City of Ottawa, and of the acting City Engineer of the said City, upon reading the said Petition and Local Improvement Report Number 3190 of the said Corporation, and upon hearing what was alleged as well on behalf of the Petitioners as on behalf of the said Corporation—

The Board doth order and direct that Local Improvement Report Number 3190 of the Corporation of the City of Ottawa providing for the construction of an asphalt pavement on Laurier Avenue East between Nicholas Street and Charlotte Street, under the provisions of Section 8 of "The Local Improvement Act" be amended so as to provide that one-half of the total cost of the said

work (including in such one-half that part of the cost thereof which would otherwise under the provisions of the said Act be borne by the said Corporation), shall be borne and paid for by the said Corporation at large, and that the remaining one-half of the cost of the said work shall be especially assessed upon the land abutting upon the said work in accordance with the provisions of the said Act, and that in all other respects the said Local Improvement Report be confirmed.

And the Board doth further order and direct that the Applicant Corporation do affix law stamps to a value of $15.00 to this Order as the Board's tariff fee on this application.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1594

Application by the Town of Trenton, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 1521, restricting for certain purposes only the areas therein defined.

Mar. 6th. Application and material filed.

Apr. 13th. Hearing, pursuant to Appointment, 1 to 2.30 P.M., Council Chamber, Trenton: (Mr. Commissioner Ellis authorized under section 8, Chapter 225, R.S.O., 1927).

Mar. 16th. Report of Mr. Commissioner Ellis filed and adopted. Application granted.

Apr. 16th. Order.

Report of Mr. Commissioner Ellis

530 properties are included in the areas set out in By-law 1521 of the Town of Trenton. The owners of these properties had been duly notified.

At the Hearing about 20 property owners affected attended. Only two property owners appeared in opposition to the application; they objected on general grounds that the By-law should not be approved.

I visited the proposed restricted areas and in my view no reasonable ground has been shown why the By-law should not be approved, and as there is such a large preponderance of the property owners in favor of it I recommend that it be approved, a tariff fee of $10.00 to be charged.

(Sgd.) J. A. Ellis,
Commissioner.

Toronto, April 16th, 1928.

Approved:

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

April 16th, 1928.

ORDER

Upon the application of the said Corporation, and upon consideration of the copy of the said By-law and the other material filed, and Mr. Commissioner Ellis, duly authorized under section 8, Chapter 225, R.S.O., 1927, having, pursuant to Appointment, at the Council Chamber, in the Town of Trenton, heard Counsel for the Applicant and certain property owners in opposition to the By-law, and proof of Notice of the Hearing of the Application, as directed by the Board, having been filed, and upon consideration of the Report of Mr. Commissioner Ellis on such Hearing, which Report has this day been adopted as the basis of the Board's Order herein.

The Board orders, under and in pursuance of the provisions of section 398 of "The Municipal Act" (Chapter 233, R.S.O., 1927), that the said By-law Number 1521, intituled "By-law No. 1521. By-law to declare certain areas within the Town of Trenton Restricted Areas," be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1598

Between:

B. A. Williamson, *et al*,
Applicants,

—and—

The Township of Brooke,
Respondent.

Application under section 95 of "The Telephone Act," for an Order requiring the Respondent to furnish Applicants with telephone service upon party line circuits terminating at Watford (instead of Inwood as at present).

Mar. 7th. Application filed.

Mar. 22nd. Hearing, pursuant to Appointment, 2 to 4 p.m., Town Hall, Watford. (Chairman authorized under section 8, Chapter 225, R.S.O.).

Apr. 19th. Report of Chairman filed and adopted. Application dismissed.

Apr. 19th. Order.

REPORT OF CHAIRMAN

The undersigned having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

Toronto, April 19th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

April 19th, 1928.

ORDER

Upon the application of the above named Applicants, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment heard the evidence adduced on behalf of Applicants and Respondent, which Report has been adopted as the basis of this Order, and other material on file.

And it appearing that this Application cannot be granted without discriminating against the other subscribers to the telephone system of the Respondent.

The Board orders that the Application of the Applicants, be and the same is hereby dismissed.

And the Board makes no order for costs or for Law Stamps in respect of this Order.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1612

In the matter of the Petitions of Albert Horton and James Howard and others under section 8 of "The Local Improvement Act," against the construction of concrete sidewalks, curbs, asphalt pavement and sewers on the north and south sides of Bloor Street—between Sherbourne and Parliament Streets—in the City of Toronto, as a local improvement.

Mar. 16th. Petitions (2) filed.

Apr. 4th. Hearing, pursuant to Appointment, 11 a.m. to 5.45 p.m., at the Board's Chambers. Copy of By-law (passed by the City under present section 60 of "The Local Improvement Act") to be filed. Hearing concluded. Judgment reserved.

PROCEDURE FILE A-1613

In the matter of the Petition of Allen Shoemaker and others, under section 8 of "The Local Improvement Act," against the proposed construction of a pavement on Shoemaker Ave., from Mill Street to the City Limits, in the City of Kitchener.

Mar. 16th. Petition filed.

Apr. 11th. Hearing, pursuant to Appointment, 10.15 a.m. to 12.40 p.m., Council Chamber, Kitchener. (Vice-Chairman authorized under section 8, Chapter 225, R.S.O., 1927.)

Apr. 12th. Report of Vice-Chairman filed and adopted. (City to pay 50% of cost of work plus proportion provided by "Local Improvement Act").

May 15th. Approved draft Order filed.

May 15th. Order issued.

REPORT

The undersigned, acting under and pursuant to Section 8 of The Railway and Municipal Board Act, Chap. 225, R.S.O. 1927, attended at the City of Kitchener on Wednesday the 11th Day of April, 1928, for the purpose of hearing the evidence and arguments supporting the contention of the Petitioners herein as well as those who were opposing the Petition and supporting the By-law passed by the City of Kitchener. A certificate was filed by the Clerk declaring that the Petition was sufficient and that it was filed in time as required by The Local Improvement Act.

V. H. Hattin, Esq., represented the Petitioners, and George Bray acted as counsel for the City. The former offered some evidence and argument; the latter did not offer any evidence other than documentary.

The work in question is a concrete pavement 18 feet wide, extending from Mill Street to the City limits, a distance said to be 3,000 feet, the estimated total cost of the improvement to be $18,000—the owners' share to be $14,500; the City's share, Intersections and Exemptions, $500; and share of surface drainage, $3,000, the latter two items totalling $3,500. The rate per foot frontage is said to be $2.50, and the annual rate per foot frontage 31½c, payable in ten annual instalments with interest at 4½%.

According to the evidence submitted on behalf of the Petitioners it would appear that the property owners abutting the proposed work are not able to pay the above share of its cost, nor are they favorable to its construction on the basis set out by the authorities of the City of Kitchener, namely, that the abutting owners are to pay the full cost of the work as provided by The Local Improvement Act. They contend that the said work is not necessary for their convenience; that there is a large amount of vacant land abutting on Shoemaker Avenue which would make the annual rate to the owners thereof almost prohibitive, and that the burden of taxation which such a pavement would entail would be far in excess of any advantage that might possibly accrue, and would be a burden so out of proportion to the advantage that these property owners should not be asked to undertake it.

Accompanied by the City officials I had a view of Shoemaker Avenue, a mud road which would be very good in dry weather, but at present I found a portion of the road in rather bad shape, and such as would require some repairing at an early date in order to remove the ruts therefrom.

Mill Street, which connects with Shoemaker Avenue, also requires some repairs. It was argued that before the City undertakes to pave Shoemaker Avenue that they should commence at the end of Mill Street nearest the heart of the City and extend it to Shoemaker Avenue, but at the present time the City apparently has no intention of doing so.

I am of the opinion that it is not reasonable or desirable to place upon the said abutting property owners burdens out of all proportion to the advantages to be gained by them; that if the City is bound to proceed with this work it should pay a greater proportion of such cost.

I would therefore recommend that the City of Kitchener as a whole shall pay as its proportion of the cost of the said work as provided by The Local Improvement Act, and in addition thereto fifty per cent. of the cost of the said local improvement which would otherwise be chargeable upon the land facing or abutting directly upon the work required to be done, and that such with amendment the By-law shall be approved.

That the Board makes no Order for costs save and except that the City of Kitchener shall pay $10.00 for the Law Stamps required for the Order herein, the same to be charged against the work as above described.

Respectfully submitted,

Dated at Toronto this 12th Day of April, A.D., 1928

(Sgd.) A. B. Ingram,
Vice-Chairman.

Approved as the basis of the Board's Order.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

April 12th, 1928.

ORDER

Upon the petition of Allen Shoemaker and others, pursuant to the provisions of Section 8 of "The Local Improvement Act," and Mr. A. B. Ingram, Vice-Chairman of the Board, duly authorized under section 8, Chapter 25, R.S.O. 1927, having, at a Hearing held in this matter pursuant to Appointment on Wednesday, the 11th day of April, 1928, at the City of Kitchener, heard all parties interested and their Counsel appearing in their behalf, and having viewed the location in question, and upon consideration of the proposed work, and the Report of the Vice-Chairman thereon having been this day filed and adopted,

The Board orders that the said Corporation shall as a whole pay its proportion of the cost of the proposed work as provided by "The Local Improvement Act," and in addition thereto fifty per cent. of the cost of the said local improvement work which would otherwise be chargeable upon the land abutting directly upon the work.

And the Board further orders that as so amended the By-law authorizing the said work be and it is hereby approved.

And the Board orders that a fee of Ten Dollars ($10) for Law Stamp be paid on this Order by the Corporation of the City of Kitchener.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1614

Application by E. L. MacDougall, under sections 93 and 94 of "The Telephone Act," for consent to the parallelling, by the telephone system of the Municipality of Tuckersmith, of the poles and wires of The Thames Road Telephone System (Wm. Frayne), to furnish applicant with telephone service.

Mar. 16. Application and material filed.

Mar. 22nd. Hearing, pursuant to Appointment, 1.15 to 2.15 p.m., Court House, London. (Chairman authorized under section 8, Chapter 225, R.S.O.).

May 9th. Report of Chairman filed and adopted. Application granted.

May 9th. Order.

REPORT OF CHAIRMAN

The undersigned having heard the evidence of all parties relative to this Application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

Toronto, May 9th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

(Sgd.) J. A. ELLIS,
Commissioner.

May 9th, 1928.

ORDER

Upon the application of the above named Applicants, upon reading the said application, the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, and other material on file.

The Board orders, pursuant to Sections 93 and 94 of "The Telephone Act" (R.S.O. 1927, c. 227), that consent be granted to the Municipal Corporation of the Township of Tuckersmith, operating The Tuckersmith Municipal Telephone System, to the erection of such poles and wires as may be necessary for the purpose of furnishing service to the Applicant, E. F. MacDougall, Lot 31, Concession 4, Township of Usborne.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1621

Application by George Wilfred Boake, Owner, under "The Planning and Development Act," and "The Land Titles Act," for approval of plan showing proposed amendment of Plan M. 402, Township of York (Parcels 3011 and 2813). being part Lot 9, Con. VI, West of Yonge St., Township and County of York.

Mar. 22nd. Application and material filed.

Apr. 3rd. Hearing, pursuant to Appointment, 11 to 11.45 a.m. at Board's Chambers. Hearing concluded. Judgment reserved.

Apr. 14th. Judgment delivered. Application refused.

Apr. 25th. Order, following form of draft filed, issued.

JUDGMENT

B. N. Davis for the Applicant, W. Parrott for the Township of North York, and H. H. Johnstone for the City of Toronto.

In or about the year 1912 the property now in question was subdivided by the then owner into town or city lots under Plan Number M.402 in the hope that with the influx of population these lots could be sold off as town or city lots. Subsequent to the filing of the said Plan No. M.402 the Township of York has taken into consideration the advisability of dividing other properties in the immediate vicinity into town lots, and Flagstaff Street mentioned in the proposed amendment to Plan No. M.402 was to be extended.

Certain lots in the northwesterly corner of the said plan have been sold, and the owners now abutting on Flagstaff Street, which, according to Plan No. M.402 was intended to be an open street, do not consent to the application now before the Board.

The influx of population not reaching the expectations of those who filed Plan No. M 402, and the said property being now used as farm land, the present owner wishes to have the greater part of Plan No. M.402 practically removed, and a new plan or amendment substituted therefor making these lots one farm lot. The object in view is admittedly a desire to lower the assessment upon this property and thereby secure to the owner a lower taxation.

In the first place there is very grave doubt as to our jurisdiction, for while the Act gives power to this Board to approve of a plan whereby certain property is subdivided into lots, it is doubtful if the authority is extended to the Board to approve of a plan which instead of being a subdivision of lots is to all intents and purposes a removal of what originally was a subdivision.

Then The Assessment Act directs that any person feeling himself to be too highly assessed has a right to appeal to the Court of Revision, and if still dissatisfied, from that forum to the County Judge, and it is to be presumed that in one or both of these forums justice will be meted out to him, and it is hardly desirable that this Board should be a party to enable a petitioner to accomplish by a roundabout measure something that he might fail to do by taking the straight course now allowed him under The Assessment Act.

In addition to this the Township of North York, through its solicitor, objects strenuously to any alteration in the present registered plan, and under these circumstances this Board does not see its way clear to give its approval to the prayer of the Petitioner.

And the Board makes no Order for costs save and except that the Applicant shall pay $10.00, the Board's fee for Law Stamps herein on the Order.

(Sgd.) C. R. McKeown,
Chairman.

Dated at Toronto the 14th Day of April, A.D., 1928.

April 14th, 1928.

Order

1. Upon the application of George Wilfrid Boake for approval of plan dated 1928 and showing proposed amendments to Plan M402, Part Lot 9, Con. VI, West of Yonge Street, Township and County of York, made to the Board on Tuesday, the third day of April, 1928, and upon hearing what was alleged by Counsel for the applicant and for the Corporation of the Township of North York and for the Corporation of the City of Toronto and the Board being pleased to direct that this matter stand over for judgment and the matter coming up this day for judgment.

2. This Board doth order that the application of the said George Wilfrid Boake for approval of Plan dated 1928 and showing proposed amendments to plan M402, part Lot 9, Con. VI, West of Yonge Street, Township and County of York, be and the same is hereby dismissed.

3. And this Board does not see fit to make any Order for costs save and except that the applicant shall pay $10.00, the Board's fee for Law Stamps on the Order herein.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1622

Application by the Town of Smiths Falls, under section 398 of "The Municipal Act," for approval of its By-law Number 1878—to amend its Restricted Area By-law No. 1522, as to Cornelia Street.

Mar. 23rd. Application and material filed.

Apr. 27th. Hearing, pursuant to Appointment, Council Chamber, Smiths Falls (Mr. Commissioner Ellis authorized under section 8, Chapter 225, R.S.O. 1927).

Apr. 30th. Report of Mr. Commissioner Ellis filed and adopted.

May 2nd. Order.

REPORT OF MR. COMMISSIONER ELLIS

The original By-law Number 1522 provided, amongst other things, that Cornelia Street, from Elmsley Street to the East boundary of the Town should be set apart as a residential area. The amending By-law Number 1878 provides that the restriction on this street should not go to the east boundary of the Town, but should stop at the Canadian Pacific Railway Company's Right-of-Way. There are 13 property owners in the area which it is now sought to take out of the Restricted Area on Cornelia Street and 12 of these petitioned for the amending By-law and the other property owner appeared at the Hearing in support of it.

I viewed the district in question. The Canadian Pacific Railway Right-of-Way cuts off the portion of Cornelia Street dealt with in the amending By-law from what might be termed the "purely residential" part of the street. In my opinion the part of Cornelia Street mentioned is not a "residential" district and I think it is very doubtful if it will ever become such.

I therefore recommend that By-law 1878 be approved, the Board's tariff fee for Law Stamps to be $15.00.

Dated at Toronto the 30th day of April, A.D., 1928

(Sgd.) J. A. ELLIS,
Commissioner.

Adopted as the basis of the Board's Order.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

April 30th, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the copy of each of the said By-laws and the other material filed, and Mr. Commissioner Ellis, (duly authorized under section 8, Chapter 225, R.S.O. 1927,) having, pursuant to Appointment (and postponement thereof) heard this application at the Council Chamber, in the Town of Smiths Falls, on Friday, the 27th day of April, 1928, and the Report of Mr. Commissioner Ellis on such Hearing having been this day filed and adopted,

The Board orders, under and in pursuance of the provisions of section 398 of "The Municipal Act," that the said By-law Number 1878, intituled "By-law No. 1878. A By-law to amend By-law No. 1522 intituled a By-law to set apart certain areas to be designated Residential Areas in the Town of Smiths Falls," be and the same is hereby approved.

(Seal)

(Sgd.) C. R. MCKEOWN,
Chairman.

PROCEDURE FILE A-1628

Application by the City of London, under section 398 of "The Municipal Act," for approval of its By-law Number 8764-28, amending its Restricted Area By-law 8702-27 by adding certain business districts thereto (Par. 11).

Mar. 27th. Application and material filed.

May 1st. Hearing, pursuant to Appointment, 10 a.m. to 12 md., at Council Chamber, City Hall, London. Adjourned to 6th June, 1928, at 10 a.m.

June 6th. Hearing continued, 11.15 a.m. to 2 p.m. Town Planning Commission and City Council to hear all parties and submit necessary amendments to the Board. By-law approved subject to such amendments. Hearing concluded.

(See P.F. A-1578, A-1629 and A-1984).

Procedure File A-1629

Application by the City of London, under section 398 of "The Municipal Act," for approval of its By-law Number 8767-28, amending its Restricted Area By-law 8702-27 by adding certain business districts thereto (Par. 12).

Mar. 27th. Application and material filed.

May 1st. Hearing, pursuant to Appointment, 10 a.m. to 12 md., at Council Chamber, City Hall, London. Adjourned to 6th June, 1928, at 10 a.m.

June 6th. Hearing continued, 11.15 a.m. to 2 p.m. Town Planning Commission and City Council to hear all parties and submit necessary amendments to the Board. By-law approved subject to such amendments. Hearing concluded.

(See P.F. A-1578, A-1628 and A-1984).

Procedure File A-1630

In the matter of section 56 of "The Highway Improvement Act" (R.S.O. 1927, Chapter 54), and

In the matter of section 28 of "The Public Works Act," (R.S.O. 1927, Chapter 52) and

In the matter of the acquisition of certain lands described as Lots 16 and 25, Township of Stamford, County of Welland, and the removal of sand and gravel therefrom (property of Messrs. Benson & Patterson).

Mar. 28th. Reference by Department of Public Highways filed.

Nov. 22nd. Hearing pursuant to Appointment, 11.45 a.m., Court House, Welland. Adjourned *sine die*.

Procedure File A-1634

Application by The Norfolk County Telephone Co., Ltd., under section 103 of "The Telephone Act," for authority to increase the charges for service at Port Dover.

Mar. 28th. Application filed.

Apr. 16th. Hearing, pursuant to Appointment, 11 a.m. to 12 md. Town Hall, Port Dover. (Chairman authorized under section 8, Chapter 225, R.S.O.).

Apr. 7th. Report of Chairman filed and adopted, Application granted.

Apr. 7th. Order.

Report of Chairman

In the matter of the Application of The Norfolk County Telephone Company, Limited, for the approval of an additional charge of $3.00 per annum for local service to cover the provision of "Common Battery" service in lieu of the present "Magneto" service.

The undersigned having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKeown,
Chairman.

Toronto, April 17th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) A. B. Ingram,
Vice-Chairman.

April 17th, 1928.

Order

Upon the application of the above named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment, heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements and other material filed.

The Board orders that the Applicant, The Norfolk County Telephone Company, Limited, be authorized to charge the following rates for telephone service, to take effect as from July 1st, 1928:

For "Common Battery" Local Service in the Village of Port Dover

Individual Line Service:
Business.....$33.75 per annum.
Residence.....$28.75 per annum.

2-Party Line Service:
Business.....$28.75 per annum.
Residence.....$26.25 per annum.

4-Party Line Service:
Business.....$26.25 per annum.
Residence.....$25.00 per annum.
Extension Wall Telephone.....$13.75 per annum.
Extension Desk Telephone.....$17.50 per annum.

The foregoing charges to be subject to a discount of 20% on all amounts paid within thirty days from the date upon which any such charge becomes due.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1639

Application by the Town of New Toronto, under section 4 of "The Municipal Act," (Chapter 240, R.S.O. 1927), for approval of its By-law No. 688, granting right to the Consumers' Gas Company of Toronto to extend its pipes and lines into and within the limits of the said Town.

Mar. 30th. Application and material filed.
Apr. 5th. Reply of Consumers' Gas Co. filed.
Apr. 13th. Reply of City of Toronto filed.

May 7th. Hearing, pursuant to Appointment, 10 to 11.30 a.m., at Board's Chambers. (Heard with P.F. A-1658). Hearing concluded. Judgment reserved 2 weeks. City may in interim withdraw its opposition and Company may apply for Supplementary Letters Patent (See Reporter's Notes).

May 29th. Hearing, pursuant to Appointment, 11 a.m. to 4 p.m. at Board's Chambers. (Heard with P.F. A-1658). Hearing concluded. Judgment reserved. Leave to address or file further evidence or argument within 2 weeks (See Reporter's Notes).

June 13th. Argument submitted by City of Toronto.

June 15th. Judgment delivered. Application granted.

July 4th. Approved draft Order filed.

JUDGMENT

J. R. Locke, Solicitor for the Town of New Toronto, appeared for the Applicant; W. H. Tilley, K.C., and W. B. Milliken, K.C., for the Consumers' Gas Company; G. R. Geary, K.C., and W. G. Angus, Assistant City Solicitor, appeared for the City of Toronto.

The Town of New Toronto is situated within and is a part of the original Township of Etobicoke, but became separated from the Township and became a distinct municipality before the issue of supplementary letters patent to the Consumers' Gas Company of Toronto dated the 15th day of April, 1913, to be hereafter referred to.

The Town of New Toronto on the 5th of December, 1927, gave a first and second reading to its By-law Number 688, and subsequently, namely on the 2nd of January, 1928, the said by-law was approved by the electors of the said municipality by a very large majority granting to the Consumers' Gas Company a franchise to use the streets of the Town of New Toronto for the purpose of supplying gas to the citizens of that municipality, and on the 16th of January, 1928, the by-law was read a third time and finally passed.

Before, however, it could become effective it was necessary for the Town of New Toronto to notify the City of Toronto of the passing of the said by-law, and such notice having been given, and the City of Toronto formally entering its objection to the passing of the said by-law, the approval of The Ontario Railway and Municipal Board became necessary and the question therefore as to whether or not such approval should be granted came on for hearing on Monday the 7th day of May, 1928, and subsequently on Tuesday the 29th day of May, 1928.

Mr. Geary and Mr. Angus representing the City of Toronto argued very strongly that the Consumers' Gas Company had no authority under the statute or under their letters patent to furnish gas to the Municipality of New Toronto, inasmuch as this municipality does not border on the Township of York or on the City of Toronto, and is a distinct and separate municipality from the Township of Etobicoke which undoubtedly does border on the Township of York.

Mr. Tilley and Mr. Milliken on the other hand contended that under supplementary letters patent issued to the Consumers' Gas Company on the 15th day of April, 1913, the Consumers' Gas Company is permitted "to extend its works and pipes and exercise its powers within the Townships adjoining the limits of the City of Toronto and the limits of the Township of York;" that this undoubtedly covers the Township of Etobicoke, and that in interpreting the powers of the Gas Company under the said supplementary letters patent the geographical extent of the Township of Etobicoke must be taken into consideration, and that that geographical extent includes the Town of New Toronto not-

withstanding the fact that New Toronto is a separate municipality for municipal purposes, but is yet within the geographical boundaries of the Township of Etobicoke.

The point was very exhaustively argued, and the contention made by Mr. Tilley and Mr. Milliken was certainly not without some foundation, but the question arises as to whether or not this Board should pass upon the rights of the Consumers' Gas Company in an application made by the Municipality of New Toronto for the approval of its By-law Number 688.

The Legislature in its wisdom has seen fit to require this Board to look into any by-law of this nature to which objection is being made by a municipality situated within five miles of the initiating municipality, and approve the by-law or withold its approval therefrom in accordance with whether or not that by-law is likely to be beneficial or injurious to any municipality directly or indirectly interested in its passing. The City of Toronto contends that by entering into a contract with the Town of New Toronto the Consumers' Gas Company might be entering into a losing contract, and that the citizens of Toronto would indirectly, or perhaps directly, be called upon to make up that loss, or deficit, by an increase in their gas rates, but while this suggestion was made there was no evidence whatever offered to this Board to show that this was likely to be a losing proposition. Under the supplementary letters patent the Consumers' Gas Company appears to have authority to enter into the Township of Etobicoke, even its sparsely settled parts, and it is hardly reasonable to suppose that from a financial viewpoint it should be excluded from those parts of Etobicoke that are more thickly populated provided of course that the Town of New Toronto can be considered a part geographically of the Township of Etobicoke.

There is a further consideration; New Toronto has grown to such an extent that it requires gas. It must either get this gas from the Consumers' Gas Company or from some independent corporation. The prospects are that it would be obliged to pay a much higher rate to an independent corporation than would be asked by the Consumers' Gas Company, and to this extend it is desirable, as far as the residents of New Toronto are concerned, to enter into a contract with the Consumers' Gas Company. If then in its fast growing possibilities the City of Toronto extended and in a very short time wished to annex the Town of New Toronto as a part of the City of Toronto it would hardly be in the interests of the City of Toronto to find itself faced with a franchise in New Toronto extending over a number of years whereby the citizens of that municipality would be required to pay an excessive rate for gas to an independent corporation while former citizens of Toronto could secure this public utility from the Consumers' Gas Company at a less rate.

As to whether or not the Consumers' Gas Company has power under its supplementary letters patent or under statute to extend its pipes into the Municipality of New Toronto is a point which was argued by all parties in a very interesting and exhaustive way, but is that the question before this Board? If the Consumers' Gas Company has to-day no power either by statute or by letters patent to extend its works into the Municipality of New Toronto this Board has no power to give it that authority. Our approval of By-law Number 688 will not extend in the least the powers now enjoyed by the Consumers' Gas Company. The By-law itself was within the powers of the Municipality of New Toronto to enact; it was approved by the electors of that municipality by a large majority; it appears to be very much in the interests of the people of New Toronto that the franchise would be extended to the Consumers' Gas Company rather than have them endeavor to secure a supply of gas from an independent corporation, and

there has been no evidence furnished to this Board establishing that it is injurious to any municipality that such by-law should be approved. It is therefore the opinion of the Board that By-law Number 688 passed by the Town of New Toronto should receive its approval, and it is approved accordingly.

In arriving at this decision this Board does not express any opinion as to whether or not the Consumers' Gas Company has under statute or letters patent the power to extend its pipes into the Town of New Toronto as it does not consider that a decision on that point is required for the purpose of enabling it to approve of by-law Number 688 passed by the Town of New Toronto.

There will be no costs save and except the Law Stamps properly chargeable with the issue of the Order herein.

Dated at Toronto, the 15th day of June, A.D., 1928.

(Sgd.) C. R. McKeown,
Chairman.

June 15th, 1928.

Order

Upon the application of the Corporation of the Town of New Toronto under Section 4. of "The Municipal Franchises Act" (R.S.O. 1927, Chapter 240) for approval of its By-law Number 688, upon reading the said application and hearing what was alleged by Counsel on behalf of the Corporation of the Town of New Toronto, the Corporation of the City of Toronto, and the Consumers' Gas Company of Toronto, and upon hearing the evidence adduced on behalf of the Consumers' Gas Company of Toronto.

This Board doth order and proclaim that By-law Number 688 passed by the Council of the Corporation of the Town of New Toronto be and the same is hereby approved.

(Seal)

(Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1649

Application by the Village of Forest Hill, under section 398 of "The Municipal Act," for approval of its By-law Number 255, amending its Restricted Area By-laws Nos. 76 and 165 to permit the erection of Stores on Spadina Road.

Apr. 3rd. Application and material filed.

Apr. 30th. Hearing, pursuant to Appointment, 11 a.m. to 12.15 p.m., at Board's Chambers. Copy of By-law 267 filed. New By-law to be prepared and submitted. (See Reporter's Notes).

(See P.F. A-1761).

Procedure File A-1653

Between:

William Rettie, *et al*,

Applicants.

—and—

The Burnt River Telephone Company, Limited,

Respondent.

Complaint by Applicants, pursuant to Section 125 of "The Telephone Act" (R.S.O. 1927, c. 227), that the Respondent has failed to do certain acts required to be done by "The Companies Act" and has done certain things contrary to and in violation of the said Act.

Apr. 4th. Application and material filed.

Apr. 20th. Hearing, pursuant to Appointment, 10 a.m. to 12 md. Town Hall, Fenelon Falls. (Chairman authorized under section 8, Chapter 225, R.S.O.)

May 4th. Report of Chairman filed and adopted.

May 8th. Order.

Report of Chairman

This is an application by William Rettie, George J. Cayley, J. W. Wilson and Robert Moffat, shareholders in the Respondent Company, pursuant to Sections 125 and 126 of "The Telephone Act" (R.S.O. 1927, c. 227) complaining of certain irregularities in connection with the election of Directors at the annual meeting of the Company held at Burnt River on February 24th, 1928, and was heard by the undersigned at Fenelon Falls on April 20th, 1928, in accordance with a Notice of Appointment issued on April 4th, 1928.

The applicants were represented by George Cayley and the Respondent Company by H. C. Austin, Owen Rettie and Josiah Flatt.

From the evidence adduced and material filed as exhibits it would appear that at the annual meeting of the Company the majority of shareholders were represented by proxy, it being alleged that a number of the proxies used were duplicates and were therefore protested by the Applicants. This fact was confirmed by the evidence of Mr. H. C. Austin, who acted as Chairman at the annual meeting. This witness admitted that in a number of cases two proxies given by one shareholder were allowed to be voted upon notwithstanding the fact that in each case the shareholder appointing the second proxy had cancelled his first proxy. Among the shareholders whose first proxy was cancelled were the following:

D. Gould, George Martin, W. Burgoyne & Son, Mossom Smith, J. H. Brandon Estate, George Armstrong, J. L. Arnold, William Green, John Aldous, Ben Smith, and W. J. Heard.

As these proxies were in each case given to different persons it is apparent that these shareholders were allowed two votes for each share held by them, or, in the alternative, were deprived of any vote by reason of one proxy cancelling the other.

In corroboration of the fact that more votes were cast than shares represented at the meeting it may be stated that an examination of the ballots and a comparison of same with the Share Register shows the total number of votes cast at the meeting to be 423, whereas the number of shares issued is 417. A comparison of the proxies with the Share Register also shows that a number of proxies were signed by persons whose names are not recorded as shareholders.

It would further appear that at the annual meeting the provisions of Section 49 of "The Companies Act," which requires that the President shall preside as Chairman at every general meeting of the Company, were not complied with, as, notwithstanding the fact of Mr. Josiah Flatt, the then President, being present at the meeting, he did not preside.

For the foregoing reasons the undersigned is of opinion that the provisions of "The Companies Act" in so far as they apply to the holding of the annual meeting of the Respondent Company, and, more particularly in respect of the election of Directors, have not been complied with, and, therefore, the business transacted at such meeting is invalid.

It is therefore recommended that an Order be issued declaring that the Directors elected at the annual meeting of the Company held on February 19th,

1927, are still in office, and directing that a special meeting of the shareholders be held within thirty days for the purpose of electing Directors for the year 1928 and transacting such other business as may be lawfully dealt with at the annual meetings of the Company.

(Sgd.) C. R. McKeown,

Chairman.

Toronto, May 4th, 1928.

Adopted as the basis of the Board's Order. (Sgd.) A. B. Ingram,
(Sgd.) J. A. Ellis.

May 8th, 1929.

Order

Upon the application of the above named Applicants, in the presence of the Applicants and Respondent, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, and other material on file.

The Board orders and declares:

1. That the provisions of "The Companies Act" in so far as they apply to the holding of the annual meeting of the shareholders of The Burnt River Telephone Company, Limited, at Burnt River on the Twenty-fourth Day of February 1928, not having been complied with, for the reasons set out in the report referred to herein, a copy of which is annexed hereto, the business transacted at the said meeting is invalid.

2. That by reason of duplicate voting by certain shareholders present in person or by proxy at the annual meeting of the Company held on the Twenty-fourth Day of February, 1928, a valid election of Directors not having been made, the Directors elected at the annual meeting of the said Company held on the Nineteenth Day of February, 1927, shall, pursuant to Section 91 of "The Companies Act" (R.S.O. 1927, c. 218), continue in office until their successors are duly elected at a general meeting of the Company called for that purpose.

The Board further orders:

1. That a general meeting of the Company shall be called within thirty days from the date hereof for the purpose of electing directors and transacting any other business which may be necessary.

2. The Company shall at least ten days before the date on which the said general meeting is to be held give notice of such meeting by registered letter addressed to each shareholder, setting out in detail the business to be transacted and matters to be considered thereat. Any shareholder may, subject to the provisions of Sections 52 and 53 of "The Companies Act" (R.S.O. 1927, c.218), vote by proxy. All proxies shall, however, be deposited with the Company at least twenty-four hours before the time for which the meeting is called and only those shareholders of record in the books of the Company as on May 1st, 1928, shall be entitled to vote either in person or by proxy.

3. The President, or in the case of his absence the Vice-President, shall preside as Chairman at the meeting, or, in the event of neither of them being present within fifteen minutes after the time appointed for holding the meeting, the shareholders present shall choose one of their number to be Chairman.

And it is further ordered and declared that except as herein provided all acts, matters or things done or performed on behalf of the Company by the persons purporting to have been elected as Directors at the annual meeting of

the Company on February Twenty-fourth, 1928, until the date hereof shall be deemed to have been performed as fully and effectively as if such persons had been legally elected as Directors.

And the Board makes no order for costs, save and except that the Respondent shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1656

Application by the Township of Etobicoke, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 3189—Kingsbury Ave.

Apr. 5th. Application and material filed.

Apr. 5th. Objction filed by owner of Lot 6 on west side of Kingsbury Ave.

May 7th. Hearing, pursuant to Appointment 11 a.m.: 11.30 a.m. to 1 p.m., at Board's Chambers. Adjourned to 22nd May, 1928, at 11 a.m.

May 22nd. Hearing continued, pursuant to adjournment, 11 to 11.15 a.m. Adjourned to 11th June, at 11 a.m.

June 11th. Hearing continued, pursuant to adjournment, 11 to 11.45 a.m. Adjourned to 25th June, 3.30 p.m., pending negotiations. (See Reporter's Notes).

June 25th. Hearing continued, 3.30 to 4.10 p.m., pursuant to adjournment. Settlement arranged. Lot 4 (north of Hydro-Electric Station) to be exempted from Restricting By-law—amendment to be made accordingly.

Procedure File A-1657

Application by the Town of Smiths Falls, under section 398 (2b) of "The Municipal Act," for approval of its By-law No. 1879, amending its Restricted Area By-law No. 1522 by exempting thereform Lots 40, 41 and 42 at the intersection of Elmsley and Beckwith Streets.

Apr. 5th. Application and material filed.

Apr. 27th. Hearing, pursuant to Appointment, Town Hall, Smith's Falls. Mr. Commissioner Ellis authorized under section 9, Chapter 225, R.S.O. 1927).

Apr. 30th. Report of Mr. Commissioner Ellis filed and adopted. Application dismissed.

Report of Mr. Commissioner Ellis

By-law Number 1879 amends the original By-law 1522 by providing that Lots Nos. 40, 41, and 42, at the intersection of Elmsley and Beckwith Streets, be exempted from the operation of the last mentioned By-law. These lots constitute a triangular piece of land on which it was sought to erect a Service Station.

Notices of the Application were mailed to the 67 property owners in the district affected. 24 of these property owners were represented by Counsel in opposition to the application. There was no one in favor of it except the owner of the Lots in question. There was no evidence that conditions in the district affected had changed and from the opposition it would appear that there was no

change in the sentiment of the property owners. The owner of the Lots affected by the amending By-law stated that he could get a majority of the property owners in the district to support the application.

Under the circumstances I recommend that the application be not allowed, without prejudice to any further application that might be made if it can be shown that the sentiment of the property owners in the district affected has changed.

There will be no fee for Law Stamps unless an Order be taken out.

Dated at Toronto this 30th day of April, 1928.

(Sgd.) J. A. Ellis,
Commissioner.

Adopted:

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1658

Application by the Town of Mimico, under section 4 of "The Municipal Franchises Act," for approval of its By-law No. 649—Franchise to Consumers' Gas Company of Toronto.

Apr. 10th. Application filed.

Apr. 18th. Reply of Consumers' Gas Co. of Toronto filed.

Apr. 19th. Reply of City of Toronto filed.

May 7th. Hearing, pursuant to Appointment, 10 to 11.30 a.m., at Board's Chambers. (Heard with P.F. A-1639). Hearing concluded. Judgment reserved (See Reporter's Notes).

May 29th. Hearing, pursuant to adjournment, 11 a.m. to 4 p.m. (Heard with P.F. A-1639). Hearing concluded. Judgment reserved. (See Reporter's Notes).

June 13th. Argument submitted by City of Toronto.

June 15th. Judgment delivered. Application granted.

July 11th. Approved draft Order filed.

July 11th. Order.

Judgment

F. M. Squires, Solicitor for the Town of Mimico, appeared for the Applicant; W. H. Tilley, K.C. and W. B. Milliken, K.C., for the Consumers' Gas Company; G. R. Geary, K.C., and W. G. Angus, Assistant City Solicitor, appeared for the City of Toronto.

The Town of Mimico is situated within and is a part of the original Township of Etibocoke, but became separated from the Township and became a distinct municipality before the issue of supplementary letters patent to the Consumers' Gas Company of Toronto, dated the 15th day of April, 1913, to be hereafter referred to.

The Town of Mimico on the 28th day of November, 1927, passed its By-law Number 649, which said by-law was subsequently approved by the electors of the said municipality by a very large majority, granting to the Consumers' Gas Company a franchise to use the streets of the Town of Mimico for the purpose of supplying gas to the citizens of that municipality.

Before, however, it could become effective it was necessary for the Town of Mimico to notify the City of Toronto of the passing of the said by-law, and such notice having been given, and the City of Toronto formally entering its objection to the passing of the said by-law, the approval of The Ontario Railway and Municipal Board became necessary and the question therefore as to whether or not such approval should be granted came on for hearing on Monday the 7th day of May, 1928, and subsequently on Tuesday the 29th day of May, 1928.

Mr. Geary and Mr. Angus representing the City of Toronto argued very strongly that the Consumers' Gas Company had no authority under the statute or under their letters patent to furnish gas to the Municipality of Mimico, inasmuch as this municipality does not border on the Township of York, or on the City of Toronto, and is a distinct and separate municipality from the Township of Etobicoke, which undoubtedly does border on the Township of York.

Mr. Tilley and Mr. Milliken on the other hand contended that under supplementary letters patent issued to the Consumers' Gas Company on the 15th day of April, 1913, the Consumers' Gas Company is permitted "to extend its works and pipes and exercise its powers within the Townships adjoining the limits of the City of Toronto and the limits of the Township of York;" that this undoubtedly covers the Township of Etobicoke, and that in interpreting the powers of the Gas Company under the said supplementary letters patent the geographical extent of the Township of Etobicoke must be taken into consideration, and that that geographical extent includes the Town of Mimico notwithstanding the fact that Mimico is a separate municipality for municipal purposes, but is yet within the geographical boundaries of the Township of Etobicoke.

The point was very exhaustively argued, and the contention made by Mr. Tilley and Mr. Milliken was certainly not without some foundation, but the question arises as to whether or not this Board should pass upon the rights of the Consumers' Gas Company in an application made by the Municipality of Mimico for the approval of its By-law Number 649.

The Legislature in its wisdom has seen fit to require this Board to look into any by-law of this nature to which objection is being made by a municipality situated within five miles of the initiating municipality, and approve the by-law or withhold its approval therefrom in accordance with whether or not that by-law is likely to be beneficial or injurious to any municipality directly or indirectly interested in its passing. The City of Toronto contends that by entering into a contract with the Town of Mimico the Consumers' Gas Company might be entering into a losing contract, and that the citizens of Toronto would indirectly, or perhaps directly, be called upon to make up that loss, or deficit, by an increase in their gas rates; but while this suggestion was made there was no evidence whatever offered to this Board to show that this was likely to be a losing proposition. Under the supplementary letters patent the Consumers' Gas Company appears to have authority to enter into the Township of Etobicoke, even its sparsely settled parts, and it is hardly reasonable to suppose that from a financial viewpoint it should be excluded from those parts of Etobicoke that are more thickly populated, provided of course that the Town of Mimico can be considered a part, geographically, of the Township of Etobicoke.

There is a further consideration; Mimico has grown to such an extent that it requires gas. It must either get this gas from the Consumers' Gas Company or from some independent corporation. The prospects are that it would be obliged to pay a much higher rate to an independent corporation than would be asked by the Consumers' Gas Company, and to this extent it is desirable, as far as the residents of Mimico are concerned, to enter into a contract with the

Consumers' Gas Company. If then in its fast growing possibilities the City of Toronto extended and in a very short time wished to annex the Town of Mimico as a part of the City of Toronto it would hardly be in the interests of the City of Toronto to find itself faced with a franchise in Mimico extending over a number of years whereby the citizens of that municipality would be required to pay an excessive rate for gas to an independent corporation while former citizens of Toronto could secure this public utility from the Consumers' Gas Company at a less rate.

As to whether or not the Consumers' Gas Company has power under its supplementary letters patent or under statute to extend its pipes into the Municipality of Mimico is a point which was argued by all parties in a very interesting and exhaustive way, but is that the question before this Board? If the Consumers Gas Company has to-day no power either by statute or by letters patent to extend its works into the Municipality of Mimico this Board has no power to give it that authority. Our approval of By-law No. 649 will not extend in the least the powers now enjoyed by the Consumers' Gas Company. The by-law itself was within the powers of the Municipality of Mimico to enact; it was approved by the electors of that municipality by a large majority; it appears to be very much in the interests of the people of Mimico that the franchise would be extended to the Consumers' Gas Company rather than have them endeavor to secure a supply of gas from an independent corporation, and there has been no evidence furnished to this Board establishing that it is injurious to any municipality that such by-law should be approved. It is therefore the opinion of the Board that By-law Number 649 passed by the Town of Mimico should receive its approval, and it is approved accordingly.

In arriving at this decision this Board does not express any opinion as to whether or not the Consumers Gas Company has under statute or letters patent the power to extend its pipes into the Town of Mimico as it does not consider that a decision on that point is required for the purpose of enabling it to approve of By-law No. 649 passed by the Town of Mimico.

There will be no costs save and except the Law Stamp properly chargeable with the issue of the Order herein.

Dated at Toronto this 15th day of June, A.D., 1928.

(Sgd.) C. R. McKeown,
Chairman.

June 15th, 1928.

ORDER

Upon the application of the Corporation of the Town of Mimico, under Section 4 of the Municipal Franchises Act, (R.S.O. 1927, Chapter 240), for approval of its by-law Number 649, upon reading the said application and hearing what was alleged by Counsel on behalf of the Corporation of the Town of Mimico, the Corporation of the City of Toronto and the Consumers' Gas Company of Toronto, and upon hearing the evidence adduced on behalf of the Consumers' Gas Company of Toronto.

This Board doth order and proclaim that By-law Number 649, passed by the Council of the Corporation of the Town of Mimico be, and the same is hereby approved.

(Seal)

(Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1663

Between:

D. D. Corcoran,

Applicant,

—and—

The Corporation of the Township of Flos and the Commissioners for the Flos Municipal Telephone System,

Respondent.

Application for an enquiry as to whether the Flos Municipal Telephone System is being operated in such a way that the rates or tolls charged for the service furnished by such System are sufficient to pay the debenture debt and interest created and accruing in respect thereof together with the cost of maintenance, or whether greater rates are charged than are sufficient for such purposes.

Apr. 10th. Application filed.

May 11th. Hearing, pursuant to Appointment, 10 a.m. to 4 p.m., Town Hall, Elmvale. Accounts of the System, from its inception, to be audited.

May 23rd. Order.

May 23rd, 1928.

Dr. D. Corcoran,

Applicant,

—and—

The Municipal Corporation of the Township of Flos and the Commissioners for the Telephone System of the Municipality of Flos.

Respondents.

Application for an investigation into complaint by Applicant that a portion of the moneys advanced to meet the expenses of The Flos Municipal Telephone System has been made a charge upon all the rateable property of the said Municipality instead of upon the respective lands of the subscribers to the said system, as provided in Sections 38 and 40 of "The Telephone Act" (R.S.O. 1927, c. 227), and for an enquiry, pursuant to Section 122 of the said Act, as to whether the said system is being operated in such a way that the rates and tolls charged for service are sufficient to pay the debenture debt and interest, together with the cost of maintenance, or whether greater rates are charged than are sufficient for such purpose, and for such revision or readjustment of the said rates as the Board may deem expedient or necessary for the purposes aforesaid.

Upon the application of the above named Applicant in the presence of the Applicant and Respondents, upon hearing the evidence adduced on behalf of the Applicant and Respondents and upon hearing counsel for the Applicant,

The Board orders that an audit be made of the books and accounts of the Municipality of the Township of Flos in so far as they relate to the telephone system of the said Municipality covering the period from the date of the by-law providing for the establishment of the said system to April 30th, 1928.

And the Board further orders and directs that Mr. Alex. S. Leith, Licentiate Accountant, shall conduct the audit as herein provided, and for that purpose shall have authority to examine and check all books, accounts, tariffs, rates, balance sheets and other papers, records and documents relating to the tele-

phone system of the said Municipality, and upon the completion of the said audit the said Alex. S. Leith shall furnish the Board with a copy of his report, such report to include, in addition to such other information as the Board may require, a complete statement, in the form prescribed by the Board, for each year covering the period during which the said system has been in operation, containing the following particulars:

1. Operating Account—Revenue and Expenses.
2. Construction Account.
3. Balance Sheet.
4. Principal and Interest Account.

And the Board further orders that the charges of the said Alex. S. Leith for his services as provided herein shall, upon the account for same being certified by the Board, be paid by the Municipality of the Township of Flos, and the amount as paid shall be debited on part of the cost of maintenance of the telephone system of the said Municipality.

And the Board makes no order for costs or for Law Stamps in respect of this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1664

Application by the City of Kitchener, under section 398 of "The Municipal Act," for approval of its By-law No. 2007, amending its Zoning Ordinance By-law 1823, as amended by By-laws 1834 and 1835, by adding certain business districts at the end of Section 1, Division "C."

Apr. 11th. Application and material filed.

May 9th. Hearing, pursuant to Appointment, 10.15 to 10.30 a.m., Council Chamber, City Hall, Kitchener. Application granted. City Solicitor to draft Order.

Procedure File A-1678

Application by the City of Toronto, under section 398 (2b) of "The Municipal Act," for approval of its By-law No. 11642, repealing its Restricted Area By-law No. 8867 as at No. 30 Bernard Ave., to permit conversion into a two-family house.

Apr. 17th. Application and material filed.

May 14th. Hearing, pursuant to Appointment, 11 to 11.15 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

May 17th. Draft Order filed.

May 17th. Order issued.

May 14th, 1928.

Order

Upon the application of the Corporation of the City of Toronto, and upon reading a copy of each of the said By-laws and the other material filed by C. M. Colquhoun, Esq., Solicitor for the Applicant.

The Board orders, under and in pursuance of Section 398 of "The Municipal Act," that the said By-law No. 11642, entitled "No. 11642. A By-law to repeal By-law No. 8867 in so far as it prevents the conversion of No. 30 Bernard Avenue into a two-family house," be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1682

In the matter of the Application of the Town of Cobourg, under subsection (2b) of section 398 of "The Municipal Act," for approval of its By-law Number 1386, repealing its Restricted Area By-law No. 1375 as to certain lands north of King Street.

Apr. 18th. Application and material filed.

May 11th. Hearing, pursuant to Appointment, 11 a.m. to 2.30 p.m., Council Chamber, Cobourg. (Mr. Commissioner Ellis authorized under section 8, Chapter 225, R.S.O.).

May 14th. Report of Mr. Commissioner Ellis filed and adopted. Application refused.

Report of Mr. Commissioner Ellis

I heard this application at Cobourg on the 11th May, 1928. There was considerable opposition to the application. It was stated that the By-law had been passed by a small majority of the Council, but that the exact vote on it was not recorded.

Notices of the Application had been mailed by registered post to 84 property owners. The Town Clerk considered that these property owners constituted the district which might be affected. He had taken in as the district affected not only the properties included in the original By-law 1375 but also one block on each side of it. Of the 84 property owners who had been notified 20 petitioned against the application and 2 appeared in person and opposed it, making 22 in all. Four who had been notified petitioned in favor of the application.

Dealing only with the properties included in the original By-law 1375, 2 petitioned against the application and 2 appeared in person and opposed it, making 4 in all. Two property owners included in the original By-law were in favor of the application.

The property included in By-law No. 1386 from which it was sought to remove the restriction, is situate on the corner of King Street and Ontario Street. A provincial highway runs from this point easterly along King Street, and the continuation of the Provincial highway westerly is for a very short distance on Ontario Street at a right angle to King Street, and then on to William Street, which latter street at this point runs at an acute angle into Ontario Street. I viewed the location in question. It appears to me that there is a somewhat dangerous turn in the Provincial highway at the intersection of Ontario and King Streets, and I think it might well be considered whether or not a portion of the property mentioned in By-law 1386 should not be acquired for the purpose of removing this dangerous corner.

I am unable to find that the conditions precedent under clause (b) of subsection (2) of section 398 of "The Municipal Act" have been met in this case. The only change which has taken place since the original By-law 1375 was passed is that the building which was formerly a private residence on the property opposite that included in By-law 1386 has since been transformed into a Public school, and now is used for that purpose. The grounds surrounding the building are kept intact, they are quite spacious and ornamental, and the entrance to the building is on Ontario Street.

I cannot find that the proposed amendment is in the interests of the owners of the land in the district affected and of the community as a whole.

I therefore recommend that the application be not granted and that the Board's tariff fee of $15.00 for Law Stamps on the Hearing be paid by the Town.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto the 14th day of May, 1928.
Adopted:

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1692

Application by the Village of Fort Erie, under section 19 of "The Municipal Act," for the erection of the said Village into a Town and annexing thereto a portion of the Township of Bertie.

Apr. 25th. Application and material filed.

May 10th. Hearing, pursuant to Appointment, 1 to 2 p.m., Council Chamber, Fort Erie. Application as to erection into a Town granted. Mr. German to draft Order. Annexation application reserved for further consideration.

Procedure File A-1694

Application by the City of Toronto under section 298 (2b) of "The Municipal Act," for approval of its By-law No. 11668, repealing its By-laws Nos. 9285 and 9411 in so far as they prevent the erection of duplex houses on land north of Austin Terrace and between Walmer and Spadina Roads.

Apr. 26th. Application and material filed.

May 17th. Hearing, pursuant to Appointment, 11 a.m. to 12.15 p.m., at Board's Chambers. Adjourned to 23rd inst., at 11 a.m., pending further intimation of views of parties affected. (See Reporter's Notes).

May 23rd. Hearing continued, pursuant to adjournment, 11 to 11.15 a.m. Application granted. City Solicitor to draft Order. (See Reporter's Notes).

May 30th. Draft Order filed.

May 30th. Order issued.

May 23rd, 1928.

Order

Upon the application of the Corporation of the City of Toronto, and upon reading the material filed by C. M. Colquhoun, Esquire, Solicitor for the Applicant, and upon hearing the evidence adduced and what was alleged by Counsel for the Applicant and certain ratepayers residing in the district affected,

The Board orders, under and in pursuance of Section 398 of "The Municipal Act," being Chapter 233, Revised Statutes of Ontario, 1927, that By-law No. 11668 of the Corporation of the City of Toronto intituled "No. 11668. A By-law to repeal By-laws Nos. 9285 and 9411 in so far as they prevent the erection of duplex houses on land north of Austin Terrace between Walmer and Spadina Roads," be and the same is hereby approved.

(Seal)

(Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1698

In the matter of section 60 of "The Railway and Municipal Board Act," and in the matter of a Strike of the employees of The Hamilton Street Railway Company, and

In the matter of the reference by way of Arbitration of the matters in dispute between the Hamilton Street Railway Company of Hamilton and The Amalgamated Association of Street and Electric Railway Employees of America, Division No. 107, of Hamilton, Ontario.

Apr. 22nd. Application filed.

May 21st. Hearing, pursuant to Appointment, 10.30 a.m. to 11.30 a.m., at Court House, Hamilton. Adjourned to 12th June, 1928, at 10.50 a.m.

June 12th. Hearing postponed to June 20th.

June 20th. Hearing postponed to June 21st.

June 21st. Hearing continued, 10.30 a.m. to 1 p.m. Judgment reserved.

June 28th. Judgment delivered.

Judgment

The employees of The Hamilton Street Railway Company being associated together under the name of The Amalgamated Association of Street and Electric Railway Employees of America, Division No. 107, Hamilton, Ont., having endeavored to enter into an Agreement with The Hamilton Street Railway Company embodying differences between the said parties, and having failed therein, a strike of the employees of The Hamilton Street Railway Company being threatened, and it having been agreed that the matters in dispute should be submitted to The Ontario Railway and Municipal Board for arbitration, a hearing was had at the City of Hamilton on Thursday the 21st day of June, 1928, when the different parties were represented and the matters in dispute fully gone into.

The Agreement to be entered into between the parties was made up of some twenty-three sections, the greater number of which were agreed upon between the parties without submission, and wherein any submission is made to this Board that Agreement shall read as follows:

Section 1 has been agreed upon between the Parties and stands as in the Agreement filed:

Section 2 shall read as follows:

That during the continuance of this agreement the wage scale of motormen, conductors and bus and One-man car operators shall be as follows:

First year	42 cents per hour
Second year	46 cents per hour
Thereafter	52 cents per hour
Bus and One-man car operators	05 cents per hour additional.

Section 3 shall read as follows:

(*a*) Time and a half for all overtime and also for all legal holidays, and for work on Sundays which is not overtime. Seven cents extra is to be paid per hour provided the workman has not already received one full day off during said week;

(*b*) Two hours shall be the minimum amount of time to be allowed to regular trainmen for any one run;

(*c*) A minimum of eight hours and a maximum of nine and a half hours to be completed in the least number of hours possible shall constitute a day's work in train service for regular men;

Subsections (*d*) and (*e*) remain as in said Agreement.

Sections 4, 5, 6, 7, 8 and 9 have all been agreed upon and shall stand as in said Agreement, excepting subsection (*d*) of Section 9 which shall read as follows:

Ten minutes at regular schedule rates in addition to their regular schedule time shall be allowed the members of each crew reporting for the initial trip of each day, and a further allowance of ten minutes shall be made to the crew bringing their cars in on the last trip of each day to inspect cars, make reports, etc., so that not more than ten minutes upon taking the car out for use and ten minutes for returning the car to the shop or yard after use, or in all twenty minutes per day, shall be allowed in connection with any cars so taken out for service.

Sections 10, 11, 12, 13, 14, 15, 16 and 17 having been agreed upon between the parties shall stand as in said Agreement.

Section 18 shall read as follows:

During the continuance of this Agreement the wage scale for men employed in this Department shall be as follows:

Blacksmiths	55½ cents per hour
Blacksmiths' Helpers	48½ cents per hour
Painters	51½ cents per hour
Pitmen, 1st year	47 cents per hour
Pitmen, 2nd year	51½ cents per hour
Controller Men	51½ cents per hour
Car Placers, 1st year	43 cents per hour
Car Placers, 2nd year	48½ cents per hour
Car Cleaners, 1st year	44 cents per hour
Car Cleaners, 2nd year	46½ cents per hour
Store Men	51½ cents per hour
Engineers	51½ cents per hour
Janitors	46½ cents per hour

(*b*) Time and one-half shall be paid for all overtime and also for legal holidays. Work on Sunday which is not overtime shall be paid seven cents per hour extra.

Section 19 shall read as follows:

Ticket Clerks shall work the same hours as at present, and shall receive the sum of $115.00 per month salary.

Section 20 shall read as follows:

The hours of labor for all trackmen shall be nine hours per day. Men in this class of work shall receive four cents per hour in addition to the rates now being paid them. All work performed over nine hours shall be paid at the rate of time and a half.

Sections 21 and 22 shall remain as in said Agreement.

Section 23 shall read as follows:

This Agreement and the provisions thereof shall take effect on the First Day of May, 1928, and shall continue in force and be binding on the respective parties thereto until the first Day of May, 1929, and shall continue thereafter

in full force and effect until either party hereto shall give thirty days notice in writing of their desire to terminate the same or to alter the conditions thereof.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto the 28th Day of June, A.D., 1928.

PROCEDURE FILE A-1699

In the matter of the Application of Charles M. Rayman and others, under "The City of Hamilton Act, 1928" (18 Geo. V., (1928), Chapter 67, for an amendment of the Board's Order dated the 18th day of March, 1920 (as amended by the City of Hamilton Act, 1924), annexing to the City of Hamilton part of the Township of Barton. (P.F. 5615).

Apr. 28th. Application and Petition filed.

May 11th. Supplementary Petition (by W. E. Dean *et al*) filed.

May 28th. Hearing, pursuant to Appointment, 10.30 to 11 a.m., at Council Chamber, Hamilton. Application granted subject to approval of Lieutenant-Governor in Council.

June 5th. Draft Order filed.

June 7th. Order issued.

May 28th, 1928.

ORDER

Upon the application of Charles H. Rayman and others, in the presence of Counsel representing the Applicants and the Corporation of the City of Hamilton, and representatives of the Corporation of the Township of Barton, no one appearing for the Corporation of the County of Wentworth, though duly served with a copy of the Appointment for Hearing herein, as by affidavit appears, and upon reading the said Order of this Board dated the 18th day of March, 1920, and section 3 of "The City of Hamilton Act, 1924," and section 3 of "The City of Hamilton Act, 1928," and other material filed.

The Board orders, under and in pursuance of the provisions of section 3 of "The City of Hamilton Act, 1928," that the Order of this Board dated the 18th day of March, 1920, is hereby amended, as follows:—The special rates, mentioned in section 3 (*c*) of the said Order of the 18th March, 1920, to be annually levied and raised on the whole rateable property in the district annexed to the City of Hamilton by such Order, which become due after the 31st day of December, 1927, shall be borne by the City at large and assessed and levied on the whole rateable property within the municipality.

This Order shall take effect upon the same being approved by the Lieutenant-Governor (for Ontario) in Council, pursuant to said section 3 of "The City of Hamilton Act, 1928."

(Seal)

(Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1700

In the matter of the Application of W. Waller and others, under "The City of Hamilton Act, 1928" (18 Geo. V., (1928) Chapter 67), for an amendment of the Board's Order dated the 11th day of March, 1924, annexing to the City of Hamilton part of the Township of Barton (P.F. 8452).

Apr. 28th. Application and Petition filed.

May 28th. Hearing, pursuant to Appointment, 10.30 to 11 a.m., at Council Chamber, Hamilton. Application granted, subject to approval of Lieutenant-Governor in Council.

June 5th. Draft Order filed.

June 7th. Order issued.

May 28th, 1928.

ORDER

Upon the application of W. Waller and others, dated the 24th day of April, 1928, in the presence of Counsel representing the Applicants and the Corporation of the City of Hamilton, and representatives of the Corporation of the Township of Barton, no one appearing for the Corporation of the County of Wentworth, though duly served with a copy of the Appointment for Hearing herein, as by affidavit appears, and upon reading the said Order of this Board dated the 11th March, 1924, and section 3 of "The City of Hamilton Act, 1928," and other material filed,

The Board orders, under and in pursuance of the provisions of section 3 of "The City of Hamilton Act, 1928," that the Order of this Board dated the 11th day of March, 1924, is hereby amended, as follows:—The special rates mentioned in section 2 (*b*) and section 3 of the said Order of the 11th March, 1924, to be annually levied and raised on the whole rateable property in the district annexed to the City of Hamilton by such Order, which become due after the 31st day of December, 1927, shall be borne by the City at large and assessed and levied on the whole rateable property within the municipality.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1705

Application by the Commissioners for the Telephone System of the Municipality of Brooke, under section 32 of "The Telephone Act," for an Order fixing the price to be offered to The Parkhill-Arkona Telephones, Ltd., for the purchase of a portion of its System which it is proposed to duplicate.

May 1st. Application and material filed.

May 1st. Order.

May 28th. Notice of Appeal from Board's Order.

Sept. 6th. Matter of compensation for severance having been referred back to this Board by the Appellate Court, Hearing, pursuant to Appointment, 10.30 a.m. to 5 p.m.., at Board's Chambers. Adjourned *sine die.* Board's Inspector to make inspection and file report thereon.

Sept. 21st. Inspector's Report filed.

Oct. 8th. Hearing continued, pursuant to adjournment, 10 a.m. to 12.15 p.m. Judgment reserved.

Oct. 12th. Order.

May 1st, 1928.

ORDER

Whereas the Commissioners for the Telephone System of the Municipality of Brooke, in the County of Lambton, propose to erect poles and wires upon or along certain highways in the Township of Warwick, in the said County, upon and along which are at present located the poles and wires of The Parkhill-Arkona Telephones, Limited.

And Whereas the Applicants and the said Company have been unable to agree as to the price to be paid for the purchase of the poles, wire and other equipment comprising the said lines.

And Whereas the Applicants having applied to this Board to fix the price to be offered by the Commissioners for the Telephone System of the Municipality of Brooke for the purchase of said poles and wire, the Board did direct its Inspector of Telephone Service to investigate and make a report as to the value of the said poles, wire and other equipment.

Upon reading the report of the Board's Inspector of Telephone Service, and the recommendation of Francis Dagger, Esquire, the Board's Supervisor of Telephone Systems, and other material on file.

The Board hereby fixes, pursuant to Section 32 of "The Telephone Act" (R.S.O. 1927, c. 227), the price to be offered by the Commissioners for the Telephone System of the Municipality of Brooke for that part of the telephone system of The Parkhill-Arkona Telephones, Limited, consisting of forty-six (46) subscribers' telephones, four hundred and eighty-five (485) poles, thirty-nine and one-third (39⅓) miles of wire, crossarms, brackets, insulators and other equipment in connection therewith, located as follows:

From corner of road between Lots 18 and 19 and Concessions 4 and 5 S. E. R. north to corner of roads between Lots 18 and 19 and Concessions 2 and 3 S. E. R., then east on road between Concessions 2 and 3 S. E. R. to end of line near townline between the Townships of Warwick and Adelaide.

From west side of Lot 16 on road between Concessions 1 N. E. R. and 1 S. E. R. west to end of line at Warwick village including branch lines.

From west side of Lot 20 on road between Concessions 2 and 3 N. E. R. west to end of line about Lot 11, including branch lines.

From west side of Lot 20 on road between Concessions 1 N. E. R. and 1 S. E. R. west to west side of Lot 16.

From road between Concessions 2 and 3 S. E. R. north on road between Lots 24 and 25 to roads between Concessions 1 N. E. R. and 1 S. E. R.

at the sum of Two Thousand One Hundred and Eight Dollars and Sixteen Cents ($2,108.16).

And the Board orders and directs that the said Commissioners for the Telephone System of the Municipality of Brooke shall offer to purchase the said telephones, poles, wire and other equipment at the price so fixed.

And the Board makes no order for costs, save and except that the Applicants shall pay $5.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

Oct. 12th, 1928.

ORDER

Whereas this matter by Order of the Appellate Division of the Supreme Court of Ontario was referred back to the Board so that the Board might add to the price fixed in the Board's Order, dated May 1st, A.D. 1928, to be offered by the Commissioners for the Telephone System of the Municipality of Brooke for the purchase of a part of the Telephone System of The Parkhill-Arkona Telephones, Limited, a further sum sufficient to compensate the said Parkhill-Arkona Telephones, Limited, for any damages directly resulting from severance, as provided by Section 32 of "The Telephone Act."

And the Board having heard the evidence adduced on behalf of the Appellant, The Parkhill-Arkona Telephones, Limited, and the Respondents, the Commissioners for the Telephone System of the Municipality of Brooke, and having heard counsel for the said Appellant and Respondents.

The Board Orders that there be added to the sum of Two Thousand One Hundred and Eight Dollars and Sixteen Cents ($2,108.16), the price fixed by the Board in its Order dated May 1st, A.D. 1928, to be offered to The Parkhill-Arkona Telephones, Limited, by the Commissioners for the Telephone System of the Municipality of Brooke for that part of the telephone system of the said Parkhill-Arkona Telephones, Limited, consisting of forty-six (46) subscribers' Telephones, four hundred and eighty-five (485) poles, thirty-nine and one-third (39⅓) miles of wire, crossarms, brackets, insulators and other equipment in connection therewith, located as follows:

From corner of road between Lots 18 and 19 and Concessions 4 and 5 S. E. R., north to corner of roads between Lots 18 and 19 and Concessions 2 and 3 S. E. R., then east on road between Concessions 2 and 3 S. E. R. to end of line near townline between the Townships of Warwick and Adelaide.

From west side of Lot 16 on road between Concessions 1 N. E. R., and 1 S. E. R. west to end of line at Warwick village including branch lines.

From west side of Lot 20 on road between Concessions 2 and 3 N. E. R. west to end of line about Lot 11 including branch lines.

From west side of Lot 20 on road between Concessions 1 N. E. R. and 1 S. E. R. west to west side of Lot 16.

From road between Concessions 2 and 3 S. E. R. north on road between Lots 24 and 25 to roads between Concessions 1 N. E. R. and 1 S. E. R.

a further sum of Seven Hundred and Fifty Dollars ($750.00) to compensate the said Parkhill-Arkona Telephones, Limited, for any damages directly resulting from severance.

And the Board hereby fixes the price to be offered by the Commissioners for the Telephone System of the Municipality of Brooke for the purchase of said telephone poles, wire and other equipment and for compensation for damages directly resulting from severance at the sum of Two Thousand Eight Hundred and Fifty-eight Dollars and Sixteen Cents ($2,858.16).

And the Board orders and directs that the said Commissioners for the Telephone System of the Municipality of Brooke before proceeding to erect poles, cables or wires upon or along the highways designated herein shall offer to purchase the said poles, wire and other equipment at the price so fixed.

And the Board makes no order for costs or for Law Stamps in respect of this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1706

Application under section 103 of "The Telephone Act," for authority to The Tuckersmith Municipal Telephone System to increase charges for service.

May 2nd. Application filed.

July 30th. Hearing, pursuant to Appointment, 11.30 a.m. to 2.30 p.m., Town Hall, Seaforth. (Chairman authorized under section 8, Chapter 225, R.S.O., 1927.) Judgment deferred until after Sept. 1st, 1928.

Oct. 13th. Report of Chairman filed and adopted.

Oct. 13th. Order issued.

Dec. 6th. Amending Order issued.

Report of Chairman

In the matter of the Application of the Municipal Corporation of the Township of Tuckersmith for authority to increase the charges for telephone service from $11.87 to $15.00 per annum.

The undersigned having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

Toronto, October 13th, 1928. (Sgd.) C. R. McKeown,
Chairman.

October 13th, 1928.

Order

Upon the application of the above-named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements and other material on file.

The Board orders that the Applicant, the Municipal Corporation of the Township of Tuckersmith, be authorized to make the following charges for telephone service:

To subscribers to the "Stanley" Extension.....$14.47 per annum.
To all other subscribers.....$13.62 per annum.

To Persons not being subscribers within the meaning of Subsection (h) of Section 1 of "The Telephone Act" (R.S.O., 1927, c. 227).

"Stanley" Extension.....$14.47 per annum.
All other persons as defined above.....$13.75 per annum.

The foregoing charges to apply to the year 1928 only.

And it is further ordered that the rates herein authorized shall include the furnishing to subscribers and renters of all battery renewals as from time to time may be necessary in order to provide efficient service.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

December 6th, 1928.

ORDER

Upon the application of the above-named Applicant, and upon reading the letter dated the 29th day of October, A.D. 1928, from the Secretary-Treasurer of the Telephone System of the Municipality of Tuckersmith.

The Board orders that its Order dated the 13th day of October, A.D. 1928, be amended by striking out the following paragraph:

"And it is further ordered that the rates herein authorized shall include the furnishing to subscribers and renters of all battery renewals as from time to time may be necessary in order to provide efficient service."

And the Board makes no order for costs, nor for Law Stamps, in connection with this Order.

(Seal) (Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1707

Application by the Council of the Corporation of the Town of Iroquois Falls, under section 17 (2) of "The Municipal Act," for annexation to the said Town of the Mill site of the Abitibi Power & Paper Company, Ltd., being part of the unorganized Township of Teefy.

May 2nd. Resolution of Council, Surveyor's Description and plan filed.
July 3rd. Proof that there are no objections filed.
July 4th. Application granted.
July 10th. Draft Order filed.
July 12th. Order issued.

July 4th, 1928.

ORDER

Whereas an application has been made by the Corporation of the Town of Iroquois Falls to this Board pursuant to a resolution of the Council of the said Corporation as provided under s.s. 2, section 17, of the Municipal Act, R.S.O. 1927, Chap. 233 and amendments thereto, for an order of this Board annexing to the said town certain lands in lots 11 and 12 in the Fourth Concession in the Township of Teefy, together with an adjacent part of lands beneath the waters of the Abitibi River, in the Township of Teefy, in the District of Cochrane, as more particularly hereinafter described:

And whereas as directed by this Board, public notice of this application, dated the 16th day of May, 1928, has been duly advertised once a week for two weeks in *The Broke Hustler*, a local newspaper having a general circulation in the area affected, requiring any person or persons objecting to such annexation to file such objections thereto with the Clerk of the Town of Iroquois Falls on or before the 11th day of June, 1928, as by the affidavit of Arthur James Hodgson, dated the 31st day of May, 1928, filed with this Board, appears:

And whereas no objection pursuant to the said public notice has been filed with the said Town Clerk, as by the said affidavit of Arthur James Hodgson, filed, appears:

And whereas this Board has this day approved of the said application;

1. It is ordered that the following lands in the Township of Teefy, in the District of Cochrane, namely:

All and singular those certain parcels or tracts of land and premises together with part of land beneath the waters of the Abitibi River situate, lying and being

in the Township of Teefy, District of Cochrane, Province of Ontario, and being composed of parts of Lots 11 and 12 in the Fourth Concession of the said Township, together with an adjacent part of lands beneath the waters of the Abitibi River containing by admeasurement 287.06 acres, be the same more or less, as shown on plan of survey made by C. F. Summers, Ontario Land Surveyor, dated at Haileybury, Ontario, April 10th, 1928, said parcel being more particularly described as follows:

First:

Part of Lot 12 together with an adjacent part of land beneath the waters of the Abitibi River:

Commencing at the South West angle of said Lot 12; thence due North along the West limit of the said Lot 12 a distance of 3280.14 feet more or less to a point therein where the said West limit is intersected by the South Easterly limit of the Right of Way of the Iroquois Falls branch of the T. & N. O. Railway; thence North 48° 40″ East a distance of 1470.4 feet more or less to the present South limit of the Corporation of the Town of Iroquois Falls; thence North 89° 59″ East along the said South limit a distance of 1542.04 feet to a point in the East limit of the said Lot 12; thence due South a distance of 4454.0 feet more or less along the said East limit of said Lot 12 and its Southerly production to where it intersects the line between Concessions 3 and 4; thence due West along the said line between Concessions 3 and 4 a distance of 2640.0 feet more or less to the South West angle of said Lot 12, being the point of commencement.

Containing by admeasurement 233.20 acres, be the same more or less.

Second:

Part of Lot 12.

Commencing at a point in the West limit of said lot 12 distant 3731.14 feet from the South West angle thereof; thence due North along said West limit a distance of 288.5 feet to the South limit of the Corporation of the Town of Iroquois Falls; thence North 89° 59″ East a distance of 326.3 feet more or less along the said South limit to where it intersects the Northwest limit of the Right of Way of the Iroquois Falls branch of the T. & N. O. Railway; thence South 48° 40″ west a distance of 435.6 feet along the said North West limit of the Right of Way to the place of beginning.

Containing by admeasurement 0.68 acres, be the same more or less.

Third:

Part of Lot 11 together with an adjacent part of land beneath the waters of the Abitibi River;

Commencing at a point in the West limit of said Lot 11 distant 826.0 feet from the North West angle thereof and being measured Southerly therefrom; thence East astronomically a distance of 953.5 feet more or less to a point in the East limit of Water Power Reservation W.D. 301; thence South astronomically along the said East limit of W.D. 301 a distance of 2565.0 feet more or less to the South East angle of said Water Power Reservation W. D. 301; thence West astronomically a distance of 953.5 feet more or less along the South limit of Water Power Reservation W.D. 301 to a point in the West limit of said lot 11; thence due North along the said West limit of lot 11 a distance of 2565.0 feet more or less to the place of beginning.

Containing by admeasurement 52.76 acres, be the same more or less. be and the same are hereby annexed to the Corporation of the Town of Iroquois Falls in the District of Cochrane.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1711

Application by Nellie Halliday Lillico, under "The Planning and Development Act," for approval of plan of proposed subdivision of Part Block C, Plan M. 201, Land Titles Office, Toronto (Forest Hill Village).

May 8th. Formal Application filed.

May 16th. Hearing pursuant to Appointment, 11 a.m. to 12.15 p.m., at Board's Chambers. Applicants to file plan which is not to affect Old Forest Hill Road, which will be approved. (See Reporter's Notes.)

June 14th. New plan filed.

June 14th. New plan approved and certified.

Procedure File A-1712

Between:

The Hamilton Street Railway Co.,

Applicant,

—and—

The Corporation of the City of Hamilton,

Respondent.

Application for increased fares, under Chapter 140, Ontario Statutes, 1927, par. 5 (*a*) and (*c*) of Schedule thereto.

May 8th. Application filed.

May 15th. Reply of City of Hamilton filed.

May 21st. Hearing, pursuant to Appointment, 10.30 to 10.55 a.m., Court House, Hamilton. Adjourned, at request of Parties, to 12th June, at 10.50 a.m.

June 12th. Hearing continued, pursuant to adjournment, 10.50 a.m. to 5 p.m. Adjourned to 13th inst., at 10.30 a.m.

June 13th. Hearing continued, 10.30 a.m. to 5 p.m. Adjourned to Wednesday, 20th inst., at 10.50 a.m.

June 20th. Hearing continued, 10.50 a.m. to 5 p.m. Judgment reserved.

June 28th. Judgment delivered.

July 16th. Order.

Judgment

Glyn Osler, Esq., K.C., Gabriel H. Levy, Esq., K.C., and E. E. B. Coyne, Esq., appeared for The Hamilton Street Railway Company, and R. S. Robertson, Esq., K.C., and F. R. Waddell, Esq., K.C., City Solicitor, appeared for the City of Hamilton.

This was an application made by The Hamilton Street Railway Company for the privilege of charging an increased fare and was heard by the Board on the 12th and 13th of June and on the 20th of June.

The Applicants offered a large amount of evidence as to the appraised value of the assets of The Hamilton Street Railway Company, and claimed that the shareholders of the said Company should be entitled to receive a fair return upon the value of the Company's assets as set out in said appraisal in addition to the payment of all necessary running expenses in connection therewith.

The City of Hamilton on the contrary contended that a large amount of the appraised value of the Company's assets was due not to the investment made by the shareholders so much as by the increased value given to the property through the growth of the City of Hamilton, and the increased land values occasioned thereby, and contended that a fair return upon the money actually invested should be sufficient compensation to the present shareholders of the Company.

It appears that for some years previous to 1911 no dividend was paid to the shareholders, and that in 1911 the sum of $147,600 was paid, being at the rate of 6% per annum for the twelve previous years on the outstanding capital stock of the Company.

In this year 1911, upon a valuation of the assets of the Company having been made, the stock held by the shareholders was increased by $709,000, so that the stock held by shareholders was increased from $205,000 to $914,000 without the actual investment by the shareholders of any additional money other than such as had been earned by the Company and allowed to accummulate instead of being paid as dividends. For some years subsequent to 1911 the Company paid a dividend on the said increased stock at a percentage varying from 6% to 10% until 1919, since which date no dividend has been paid.

The return made by the Company during recent years shows that the Company has been paying expenses although not paying a dividend to its shareholders until the year 1927 when by reason of some extensive expenditures a deficit appears from the figures filed by the Company with this Board.

The revenue of the Company from year to year is in or about $1,000,000 or a little over, and while this appears to have been sufficient to pay expenses it does not appear to have been sufficient to pay any dividend to the shareholders. Persons investing their money in any public utility should, we feel, receive a reasonable return for the money invested, and we have taken this into consideration in arriving at our present decision.

The present fare charged by the Company is a straight five-cent fare for adults and ten tickets for twenty-five cents for children. The Company is asking for a cash fare of ten cents and the right to sell three tickets for twenty-cents. The Board feels that by granting a ten-cent cash fare possibly more injury than good would be done to the revenue of the Company, and inasmuch as the passengers who pay a cash fare rather than purchase tickets is but a small proportion of the total, there can be but little advantage to the Company in allowing a ten-cent cash fare. It might increase the revenue in one way and reduce it in another. It has been further contended that those paying a ten-cent cash fare are largely transients who do not live in the City of Hamilton, and who should be required to pay an extra fare if such extra fare should be applied to any one. But we are also of the opinion that there are many poor people who find it possible to pay a cash fare for one ride but are not in a position to invest in tickets either by the purchase of twenty-five cents' worth or a greater number, and it is not the desire that these people should be penalized in being required to pay a greater fare than that charged to those who are better able to bear the burden.

The Board is therefore of the opinion that by allowing the Company to charge a cash fare of seven cents with the privilege of selling four tickets for twenty-five cents and ten children's tickets for twenty-five cents it will thereby

increase the revenue of the Company by 25% which should enable it to pay all expenses, including increased wages to the men, and at the same time give a reasonable return to the shareholders upon their investment.

Any loss that may be sustained by the Company by reason of an increased fare will, it is felt, be more than made up by reason of the jitney service being discontinued, and the Judgment of the Board is therefore that the Company be entitled to charge a fare of seven cents cash, four adult tickets for twenty-five cents, and for children under twelve years of age ten tickets for twenty-five cents, and that this Order go into effect on and after the 1st day of July, A.D. 1928.

The fare now being charged by the said Company on the busses run by it shall remain the same as at present in force.

The above Order to be subject to any Order that may hereafter be made by this Board, and not to preclude either the said The Hamilton Street Railway Company nor the said the City of Hamilton from making application for a reconsideration of said Order at any time after the 30th day of June, A.D. 1929.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Dated at Toronto the 28th day of June, A.D. 1928.

(Sgd.) J. A. Ellis,
Commissioner.

June 28th, 1928.

Order

Upon the application of the above-named Applicant, at the Sittings of the Board held at Hamilton on the 12th, 13th and 20th days of June, 1928, in presence of Counsel for the Applicant and Respondent, upon hearing the evidence adduced on behalf of the Applicant and Respondent, and upon hearing Counsel for the Applicant and Respondent, the Board was pleased to direct this application to stand over for Judgment and the same coming on this day for Judgment:—

1. The Board doth order that, subject to the provisions of paragraph 2 hereof, on and after the 1st day of July, A.D. 1928, the Applicant shall be allowed to charge and collect a fare of seven cents per passenger on its street railway cars but shall sell four tickets for twenty-five cents, and shall sell for children under twelve years of age ten tickets for twenty-five cents, and shall charge for such children a cash fare of three cents only. Provided that pupils under seventeen years of age actually attending school shall be entitled to purchase at any office of the Company where tickets are sold on a certificate from their principal teacher that they are *bona fide* pupils attending school ten tickets for twenty-five cents, such tickets to be used only between the hours of eight o'clock and half-past nine in the forenoon, and between half-past three and five o'clock in the afternoon, and then only for the purpose of attending and returning from school, but no such ticket shall entitle any pupil to ride a greater distance than five miles. Provided further that nothing herein contained shall affect the provisions of any existing by-law of the Respondent respecting the Applicant in regard to fares on omnibuses, children under five years of age, transfers, police constables, City detectives, City firemen or City messengers, or the provisions of By-law No. 93 of the Respondent passed on the 12th day of March, 1900, relating to fares on the Applicant's cars after 11.30 p.m. and before 5.30 a.m.

2. This Order is subject to any Order that may hereafter be made by the Board increasing or reducing the fares to be charged and taken by the Applicant, and the Applicant or Respondent shall have the right to apply to the Board from time to time after the 30th day of June, 1929, for an Order or Orders increasing or reducing the fares to be charged and collected by the Applicant.

3. And the Board doth further order that the Applicant shall pay all fees payable in respect of this Order.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1713

Application by the City of Stratford, under section 398 of "The Municipal Act," for approval of its By-law No. 3221, amending its Restricted Area By-law No. 2740 by exempting therefrom the southerly part of Lot 34 in Canada Company's Survey of said City.

May 9th. Application and material filed.

May 30th. Hearing, pursuant to appointment, 11 to 11.30 a.m., at Council Chamber, Stratford. Application granted. City Solicitor to draft Order.

June 7th. Draft Order filed.

June 7th. Order issued.

May 30th, 1928.

Order

Upon the application of the said Corporation, such application having been duly heard pursuant to appointment; upon consideration of the evidence adduced and the material filed, and upon hearing Counsel for the said Corporation, and no one appearing in opposition thereto.

The Board orders under and in pursuance of the provisions of section 398 of "The Municipal Act" that the said By-law No. 3221 intituled "By-law No. 3221 of the City of Stratford, being a By-law to amend By-law No. 2740 of the City of Stratford," be and the same is hereby approved.

(Seal) (Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1720

In the matter of the application of the City of Hamilton, under "The City of Hamilton Act, 1928" (18 Geo. V, Section 3), for an amendment of the Board's Order dated 26th day of January, 1914 (P.F. 2190), annexing to the said City part of the Townships of Barton and Ancaster.

May 11th. Application filed.

May 28th. Hearing, pursuant to appointment, 10.30 to 11 a.m., at Council Chamber, Hamilton. Application granted, subject to approval of Lieutenant-Governor in Council.

June 5th. Draft Order filed.

June 7th. Order issued.

May 28th, 1928.

Order

Upon the application of the Council of the Corporation of the City of Hamilton, dated the 9th May, 1928, in the presence of Counsel representing the said Applicant, and Counsel for the Corporation of the Township of Ancaster, and

representatives of the Township of Barton, no one appearing for the Corporation of the County of Wentworth, although duly served with a copy of the appointment for Hearing herein, and upon reading the said Order dated the 26th day of January, 1914, and amendments thereto, and section 1 of "An Act respecting the City of Hamilton," being Statutes of Ontario (8 Geo. V, 1918), chapter 63, and section 3 of "The City of Hamilton Act, 1928," and other material filed.

The Board orders, under and in pursuance of the provisions of section 3 of "The City of Hamilton Act, 1928," that the Order of this Board dated the 26th day of January, 1914, is hereby amended as follows: The special assessments and levies acquired or made anterior to the 1st day of May, 1922, pursuant to section 3 of the said Order of the 26th January, 1914, and the substituted paragraph 3*a* and 3*b* of the Order of the 5th April, 1921, and referred to in section 1 of the Board's Order of the 18th September, 1922, to be annually levied and raised on the lands in the district annexed to the City of Hamilton by such Order, which become due after the 31st day of December, 1927, shall be borne by the City at large and assessed and levied on the whole rateable property within the municipality.

This Order shall take effect upon the same being approved by the Lieutenant-Governor (of Ontario) in Council, pursuant to said section 3 of "The City of Hamilton Act, 1928."

(Seal) (Sgd.) C. R. McKeown,
Chairman.

PROCEDURE FILE A-1721

Application by the Town of Walkerville, under section 398 of "The Municipal Act," for approval of its Zoning By-law No. 1229.

May 14th. Application and copy of By-law filed.

June 19th. Hearing, pursuant to appointment, 10 to 11 a.m., Council Chamber, Walkerville. Application granted subject to certain amendments. (See Reporter's Notes.)

July 4th. Amending By-law No. 1241 filed.

July 4th. Order.

July 4th, 1928.

ORDER

Upon the application of the said Corporation, and the Board, pursuant to appointment, having heard this application at the Council Chamber, in the Town of Walkerville, on Tuesday, the 19th day of June, 1928, in the presence of Counsel for the Applicant, and other parties interested, and notice of the appointment having been duly given as required by statute and directed by the Board, and the Board having directed certain amendments to the said By-law No. 1229, and By-law No. 1241 having been passed and filed accordingly:

The Board orders under and in pursuance of the provisions of section 398 of "The Municipal Act," that the said By-law No. 1229, intituled "By-law No. 1229 of the Town of Walkerville, a By-law to regulate the use of land or the erection or use of buildings within certain areas of the Town of Walkerville," as amended by the said By-law No. 1241, be and the same is hereby approved.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1723

In the matter of an application of Frank H. Crosthwaite, for readjustment of assessment upon which his water rates are charged, and in the matter of 23 Victoria, chapter 87, section 9, *et al.*, and By-law No. 2746 of the City of Hamilton.

May 14th. Application filed.

May 28th. Hearing, pursuant to appointment, 10.30 to 11 a.m., at Council Chamber, Hamilton. Application dismissed.

May 28th, 1928.

Order

In the matter of a decision of the Council of the Corporation of the City of Hamilton, made on the 13th day of September, 1927, on the application of Frank H. Crosthwaite, for a readjustment of the assessment upon which his water rates are charged and an appeal therefrom to the Judge of the County Court, and an appeal from the latter's Judgment to this Board, and in the matter of 23 Victoria, chapter 87, section 9, *et al*, and By-law No. 2746 of the City of Hamilton:

Upon the application of the said Frank H. Crosthwaite for readjustment of his assessment upon which his water rates are charged by way of appeal from the Judgment of the Judge of the County Court of Wentworth, upon hearing the evidence adduced, and what was alleged by Counsel for the Applicant and the City of Hamilton:

This Board doth order that said appeal be and the same is hereby dismissed.

(Seal) (Sgd.) C. R. McKeown,
Chairman.

Procedure File A-1727

In the matter of chapter 54, R.S.O. 1927, section 29, subsection (2), and in the matter of an application by the Corporation of the County of Hastings for determination of the differences between the application and the Corporation of the Town of Trenton as to the maintenance of a certain portion of the boundary road between the westerly side of the Town of Trenton and the easterly side of the Township of Sidney.

May 16th. Application and material filed.

June 1st. Hearing, pursuant to appointment, 1 to 3 p.m., County Council Chambers, Belleville. (Mr. Commissioner Ellis authorized under section 8, chapter 225, R.S.O.)

June 7th. Report of Mr. Commissioner Ellis filed and adopted. Application dismissed.

Report of Mr. Commissioner Ellis

This application was made under the provisions of chapter 54, R.S.O. 1927, section 29, subsection (2), and under section 461 of "The Municipal Act."

I heard the application at the City of Belleville on the 1st day of June, 1928, under the provisions of section 8 of the Board's Act.

After hearing the evidence adduced and the arguments of Counsel I viewed the location in question, such location being that portion of Stanley Street in the Township of Sidney beginning a little south of the Canadian National Railway tracks and running to the Trent River.

The Town of Trenton is a separated town. It was incorporated by special Act in 1880 and in 1882 the present town limits were defined by chapter 45.

It was admitted that the boundary of the Town at the point mentioned is the west line of Sidney Street.

Part of the highway in question has been, by By-law 914 of the Corporation of the County of Hastings passed on the 22nd July, 1925, assumed as a county road.

On this road there are three structures 8 feet wide and 3 or 4 feet deep, with stone abutments and plank covering which provide for the passage of water underneath the road. This water all comes from the Township and after being carried under the road through the structures in question runs into the limits of the Town.

It was urged on behalf of the County that the structures are bridges, whilst it was urged on the part of the Town that they are culverts. It was stated in evidence—and not contradicted—that the Town had never paid anything for the construction or maintenance of the part of the highway or structures in question.

From the evidence and from my view I cannot find that these structures are bridges. No part of them is situate within the limits of the Town. I therefore recommend that the application be dismissed and that the Board's tariff fee of $15.00 be paid by the County.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto this
7th day of June, A.D. 1928.

Adopted.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1736

Application by The Oakwood Telephone Company, Limited, under section 94 of "The Telephone Act," for authority to change the location of its poles and wires upon certain highways in the Township of Mariposa, to prevent unnecessary multiplication of pole leads.

May 23rd. Application and material filed.

May 31st. Hearing, pursuant to appointment, 11 a.m. to 12 md., Council Chamber of Township of Mariposa, in Village of Oakwood. (Vice-Chairman authorized under section 8, chapter 225, R.S.O.)

June 5th. Report of Vice-Chairman filed and adopted.

June 5th. Order.

REPORT OF VICE-CHAIRMAN

The undersigned having heard the evidence of all parties relative to this application recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

(Seal)
Toronto, June 5th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Sgd.) J. A. ELLIS,
Commissioner.

June 5th, 1928.

ORDER

Upon the application of the above-named Applicant, upon reading the Report of A. B. Ingram, Esquire, Vice-Chairman, who, pursuant to appointment, heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, and other material on file:

The Board orders:

1. That the Applicant, The Oakwood Telephone Company, Limited, shall replace the poles of the Respondent, Hogg and Lytle, Limited, now erected between Lots 5 to 15 inclusive, on the north side of the 7th Concession of the Township of Mariposa, by poles of twenty-five (25) feet in length and not less than five (5) inches in diameter at the top, equipped with one 6-pin crossarm.

2. The Applicant shall upon the erection of its new poles as provided in paragraph 1 hereof transfer to the said poles without cost to the Respondent the wire attached to the poles now erected on the north side of the 7th Concession of the Township of Mariposa between Lots 5 and 15 inclusive, and shall furnish to the Respondent, free of rental for a period of fifteen (15) years, pin space for the said wire and also for an additional wire should the Respondent convert its present line into a "metallic" circuit.

3. Should the condition of any portion of the wire referred to in the preceding paragraph be such as to render it unfit for further use, or should it be found necessary to replace any missing or broken insulators, the Respondent shall pay to the Applicant the cost of any new wire or insulators which may be reasonably required to complete the transfer of the Respondent's line to the new poles.

4. Should the Respondent decide at any time to convert its present "grounded" circuit into a "metallic" circuit the cost of all labour and material required for such conversion shall be paid by the Respondent.

5. Should it become necessary at any time during the period of fifteen (15) years from the date hereof, owing to depreciation or to damage from sleet or storms, for the Applicant to replace any of the poles to which the wire or wires of the Respondent are attached the Respondent shall pay the *pro rata* cost of such replacement, computed by dividing such cost by the number of wires of the Applicant and Respondent carried by the said poles at the time of their replacement.

6. In the absence of any agreement to the contrary between the Applicant and the Respondent at the expiration of fifteen (15) years from the date hereof, the conditions as provided herein shall continue to be binding upon the Applicant and Respondent, or their successors or assigns. Provided, however, that either the Applicant or Respondent, or their successors or assigns, in the event of their failing to agree may at the expiration of the aforesaid period apply to this Board for a revision of the terms of this Order.

And the Board makes no order for costs, save and except that the Applicant and Respondent shall each pay $5.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal.

Procedure File A-1737

Application by the Town of Smiths Falls, under section 398 (2*b*) of "The Municipal Act," for approval of its By-law No. 1880, amending its Restricted Area By-law 1522 by exempting therefrom Lots 40, 41 and 42 at the intersection of Elmsley and Beckwith Streets.

May 23rd. Application filed.

June 15th. Hearing, pursuant to appointment, 2.30 to 2.45 p.m., Council Chamber, Smiths Falls. (Mr. Commissioner Ellis authorized under section 8, chapter 225, R.S.O.)

June 18th. Report of Mr. Commissioner Ellis filed and adopted.

June 18th. Order.

Report of Mr. Commissioner Ellis

Pursuant to appointment I heard this application on Friday, the 15th inst., at the Council Chamber, in the Town of Smiths Falls, under section 8, chapter 225, R.S.O. 1927.

A similar application to this was heard by the Board on the 27th April, 1928. At that time no evidence was given that the property owners in the district affected were favourable to the application being granted, although this was stated.

The former application was dismissed "without prejudice to any further application that might be made if it can be shown that the sentiment of the property owners in the district affected is changed."

By-law No. 1880 was passed on the 21st May, 1928, and a poll of the property owners in the district affected was taken. The poll was taken—one person in favour of the By-law, one person opposed to it, and the Town Clerk together personally waited upon all property owners concerned who could be seen. The result was that thirty of the property owners signed a petition in favour of the By-law, eighteen signed against it, nine refused to vote, one is dead, two were ill and unable to vote, eight were non-residents, and five neglected to vote.

At the hearing of the present application no one appeared in opposition to the application. I therefore recommend that the application be granted.

The Board's tariff fee for Law Stamps will be $15.00.

(Sgd.) J. A. Ellis,
Commissioner.

Toronto, June 18th, 1928.

Adopted.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

June 18th, 1928.

Order

Upon the application of the said Corporation, and upon reading the copy of each of the said By-laws and the other material filed, and Mr. Commissioner Ellis (duly authorized under section 8, chapter 225, R.S.O. 1927), having pursuant to appointment, heard this application at the Council Chamber, in the Town of Smiths Falls, on Friday, the 15th day of June, 1928, and the Report of Mr. Commissioner Ellis on such hearing having been this day filed and adopted:

The Board orders, under and in pursuance of the provisions of section 398 of "The Municipal Act," that the said By-law No. 1880, intituled "By-law No. 1880, A By-law to amend By-law No. 1522 entitled a By-law to set apart certain areas to be designated Residential Areas in the Town of Smiths Falls," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-1738

In the matter of the petition of J. W. Bray, and others, under section 8 of "The Local Improvement Act," against the resurfacing of McLaren Street, between Percy Street and Bronson Avenue, in the City of Ottawa.

May 25th. Petition filed.

June 8th. Hearing, pursuant to appointment, 10 to 11 a.m., Council Chamber, City Hall, Ottawa. (Mr. Commissioner Ellis authorized under section 8, chapter 225, R.S.O.)

June 11th. Report of Mr. Commissioner Ellis filed and adopted. Reserved for two weeks.

June 21st. Advised by City that Local Improvement Report has been withdrawn for present year.

Report of Mr. Commissioner Ellis

A tar macadam pavement was laid as a local improvement many years ago. The lifetime of the work and local improvement payments expired several years since.

It is admitted that part of the roadway is not in good condition, there being a number of holes in it which require repair.

The Assistant City Engineer says the base is good enough at present to allow it to be used for resurfacing with asphalt, but that in a few years this will not be the case. Repairs costing $200 or $300 would probably put the street in fair condition for another year. The street is purely residential, with no heavy traffic. For this reason the Assistant City Engineer thinks the lifetime of the proposed work is at least fifteen years.

I intimated I would recommend that the petition be dismissed on condition that the debentures for the work be issued for fifteen years, and that the work be not done before 1929.

Representatives of the petitioners asked that judgment be reserved for two weeks to enable them to try to arrange with the City Engineer to reduce the cost. I agreed to this.

(Sgd.) J. A. Ellis,
Commissioner.

Procedure File A-1742

In the matter of section 77*a* of "The Highway Improvement Act," as enacted by section 6, chapter 18, Ontario Statutes, 1928, and in the matter of claim for compensation for expropriation of certain lands, being Lots 740, 741 and 742, Plan 8, of the Village of Humberstone.

Between:

Jacob Schier,

Claimant,

—and—

His Majesty the King, represented by the Minister of Highways for the Province of Ontario,

Respondent.

May 26th. Reference filed.

June 4th. Hearing, pursuant to appointment, 11.30 a.m. to 1.15 p.m., Court House, Welland. View by Board. Judgment reserved.

July 10th. Award and Reasons therefor issued.

Award

Upon the application of Jacob Schier of the Village of Humberstone, in the County of Welland, made to The Ontario Railway and Municipal Board for an Order under section 77*a* of "The Highway Improvement Act," as amended by section 6, chapter 18, Ontario Statutes, 1928, to fix the compensation to be paid by the Department of Public Highways of the Province of Ontario to the said Jacob Schier for Lots Nos. 740, 741, 742, Plan No. 8 of the Village of Humberstone, required by the said Department for the construction of a public highway, in the presence of Counsel for the Applicant and for the Respondent, and upon hearing read the proceedings in this matter, and the evidence adduced, and what was alleged by Counsel for all parties:

1. It is ordered that the compensation to be paid by the Department of Public Highways of the Province of Ontario to the Applicant, the said Jacob Schier, for the lands aforesaid be and the same is hereby fixed at the sum of $5,500.

2. It is further ordered upon payment of the said sum of $5,500 that the said Jacob Schier do convey to His Majesty the King, represented by the Minister of Highways of the Province of Ontario, the said lands free and clear of all encumbrance.

3. It is further ordered that the said Applicant, the said Jacob Schier, shall pay to the said Respondent his costs in this matter, fixed at the sum of $50.00, and witness fees properly and actually paid on the Supreme Court scale, and the costs of this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto the
6th day of July, A.D. 1928.

Reasons for Award

This was an application made by W. M. German, K.C., as Solicitor for the Applicant, Jacob Schier, for the payment of compensation by the Department of Public Highways of the Province of Ontario by reason of the expropriation of Lots Nos. 740, 741 and 742, Plan No. 8 of the Village of Humberstone.

The Department, as Respondent, was represented by H. H. Davis (Kilmer, Irving & Davis) of Toronto.

The application came up for hearing at the City of Welland on the 26th day of June, 1928, when Mr. German on behalf of the Applicant offered the evidence of several witnesses to prove the value of the property being taken as much in excess of the offer therefor made by the representative of the Respondent. Mr. German also filed with the Board two letters, one written by the Respondent to the Applicant before any action was brought making an offer of $4,700 for the lots, and the other written by the Respondent to the Applicant's daughter increasing the offer to $5,500; this latter letter is an absolute offer for the lands, is not written "without prejudice," and might be accepted by the Applicant at any time until withdrawal, but was by the Applicant on the contrary rejected.

The valuation of the property taken was variously estimated by the witnesses for the Applicant at from $5,500 to $8,000, and the Applicant himself is asking $7,500 for the lots. We do not think that the Applicant could place in evidence the sworn statement of one of his own witnesses to the effect that the property is now worth $5,500, and then repudiate that valuation even although other witnesses submitted by the Applicant swore to a larger amount. The Applicant must therefore be bound by the evidence of his own witnesses, and the witness, Roland Schneider, giving the lowest estimate may be taken as giving evidence such as the Applicant could scarcely now repudiate, which fixes the valuation at $5,500.

The evidence offered by the Respondent placed the valuation of the lots at from $3,000 to $4,000, and that was said to be a liberal estimate, but we have before us the absolute offer of the Department to pay $5,500 which, although rejected and therefore not binding upon the Department, is to some extent an evidence of what the representative of the Department thought would be a fair

price for the property. Were it not for the letter sent by the Department to the daughter of the Applicant this Board would be inclined from the other evidence submitted to have allowed a smaller sum as a fair valuation for the lands taken, but if we are to accept the lowest estimate placed upon the property by the Applicant's witnesses, namely, $5,500, it would only be fair to place upon the said property the highest estimate placed by any evidence that may be submitted issuing from the Respondent which in this case is the same sum, namely, $5,500.

This amount the Board considers to be a large and generous offer and must include every compensation to which the Applicant may be entitled from any source whatsoever, therefore taking into consideration the value of the lands, 10 per cent. additional which may be added to that because of forcible taking, and the costs and expenses to which the Applicant may be put by reason of the expropriation, the Board is of the opinion that the Department should pay the price offered, namely, $5,500 and no more, and makes its Award accordingly, and inasmuch as this offer was made to the Applicant before any proceedings were commenced, which offer was refused, the Board is of the opinion that the Applicant should pay to the Respondent its reasonable costs in connection therewith, fixed at $50,00, and witness fees actually paid on the Supreme Court scale, and the costs of the issuing of the Award or Order.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto,
the 6th day of July, A.D. 1928.

Procedure File A-1744

Application by The McKillop Municipal Telephone System, under section 103 of "The Telephone Act," for authority to increase its charges for service.

May 29th. Application and material filed.

July 30th. Hearing, pursuant to appointment, 11.30 a.m. to 12.30 p.m., Town Hall, Seaforth. (Chairman authorized under section 8, chapter 225, R.S.O.)

Sept. 27th. Report of Chairman filed and adopted.

Sept. 27th. Order.

Report of Chairman

In the matter of the application of the Commissioners for the Telephone System of the Municipality of McKillop for authority to increase the charges for service from $12.00 to $15.00 per annum.

The undersigned, having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

September 27th, 1928.

ORDER

Upon the application of the above-named Applicants, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements, and other material on file:

The Board orders, subject to the several conditions prescribed in this Order, that leave be granted to the Applicants to charge the under-mentioned tariff charges for telephone service:

To those subscribers who annual instalments of principal and interest have been paid for the full period covered by the By-law providing for the issue of debentures in respect of the installation of their respective services ..... $14.00 per annum

To all other subscribers:

For principal and interest $9.72
For maintenance 6.28
$16.00 per annum

to take effect as from January 1st, 1928.

To persons not being subscribers within the meaning of subsection (*h*) of section 1 of "The Telephone Act" (R.S.O. 1927, chapter 227) ..... $16.00 per annum

to take effect as from January 1st, 1929.

And it is further ordered:

1. That the rates herein authorized shall include the furnishing to subscribers and renters of all battery renewals as from time to time may be necessary in order to provide efficient service.

2. That the Applicants shall keep separate records of all expenditures upon the construction, operation, maintenance and renewal of its plant and equipment, and shall each year furnish the subscribers with an Annual Report and Balance Sheet in the form prescribed on pages 123, 124, 125 and 126 of "Telephone Systems, 1920."

And the Board makes no Order for costs, save and except that the Applicants shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1746

Application by the City of Toronto, under section 398 (*2b*) of "The Municipal Act," for approval of its By-law No. 11701, repealing its Restricted Area By-law No. 10613 as to No. 48 Glenrose Avenue to permit conversion into a two-family house.

May 30th. Application and material filed.

June 25th. Hearing, pursuant to appointment, 11 to 11.45 a.m. Petition of Owners of property on both sides of Glenrose Avenue, between Inglewood Drive and Clifton Road, and corner houses, to be filed. (See Reporter's Notes.) Hearing adjourned to July 4th, at 11 a.m., at the Board's Chambers.

July 4th. Hearing continued, 11 to 11.15 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

July 14th. Order.

July 4th, 1928.

ORDER

Upon the application of the Corporation of the City of Toronto, and upon reading the material filed by C. M. Colquhoun, Esquire, Solicitor for the Applicant, and upon hearing the evidence adduced and what was alleged by Counsel for the Applicant and certain other ratepayers residing on Glenrose Avenue:

The Board orders, under and in pursuance of section 398 of "The Municipal Act," being chapter 233, Revised Statutes of Ontario, 1927, that By-law No. 11701 of the Corporation of the City of Toronto, intituled "No. 11701, A By-law to repeal By-law No. 10613 in so far as it prevents the conversion of No. 48 Glenrose Avenue into a duplex dwelling," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-1751

Application by the Township of Nepean, under section 469 (9), (10), of "The Municipal Act," for relief from obligation to rebuild bridge on "Caldwell's Sideroad," on boundary line between Lots 23 and 24, Concession VI, Rideau Front, of said Township.

May 31st. Application and material filed.

June 29th. Hearing, pursuant to appointment, 10 a.m. to 12 md., Township Hall, Westboro. Judgment reserved.

Sept. 17th. Application granted. Applicant's Solicitor to draft Order.

Oct. 11th. Approved draft Order filed.

Oct. 16th. Order issued.

October 16th, 1928.

ORDER

Upon the application of the above-named applicant, in the presence of the Applicant and Mary Caldwell, Ernest Caldwell and Robert M. Wallace, owners of lands immediately adjacent to the aforesaid side road and other ratepayers present, upon hearing the evidence adduced on behalf of the Applicant and other interested ratepayers and upon hearing Counsel for the Applicant and the said Mary Caldwell and Ernest Caldwell, and upon the filing of proofs of service of Notice of Hearing of this application on all parties properly interested and the due posting of notices of said hearing; and the aforesaid Mary Caldwell, Ernest Caldwell and Robert M. Wallace, being the owners of all the land lying adjacent to the said side road, other than a portion of the northeast part of Lot 23, in the Sixth Concession in the said Township of Nepean, lying immediately to the south of the said side road owned by Louis F. Dubroy and Helen Mary Hogan who, having been duly notified and having failed to attend on the hearing of this application, having consented to the terms of this Order:

The Board orders, under and in pursuance of subsections (9) and (10) of section 469 of "The Municipal Act," that the Applicant, the Municipal Corporation of the Township of Nepean, be relieved from its obligation to rebuild that certain bridge heretofore located on the aforesaid side road upon the following terms and conditions:

1. That the said Municipality shall forthwith take the necessary action for stopping up the said sideroad and disposing of the soil and freehold thereof as follows:

(*a*) That portion of the said side road lying between the northwest quarter of Lot 23 and the south half of Lot 24 in the 6th Concession, Rideau Front, of the Township of Nepean, shall be conveyed to the said Mary Caldwell and Ernest Caldwell, the owners of the said adjacent lands.

(*b*) The northerly twenty-eight feet (28) in width throughout of that part of said side road extending from the lastly described part of said road, easterly to a point distant ten (10) chains westerly from the Concession Road situate immediately to the east of the easterly end of said side road, the said point being coincident with the westerly limit of the lands owned by the aforesaid Louis F. Dubroy and Helen Mary Hogan, shall be conveyed to the said Mary Caldwell and Ernest Caldwell.

(*c*) The southerly twelve feet (12) in width throughout of that part of the said side road as lastly described in subparagraph (*b*) hereof shall be conveyed to the said Robert M. Wallace.

(*d*) That the said Mary Caldwell and Ernest Caldwell and their assigns shall fence and maintain the west half of the line fence between their property and the property of the said Robert M. Wallace, and the said Wallace and his assigns shall fence and maintain the east half of the line fence lying between the said properties.

(*e*) The said Caldwells may have the use of any portion of the present bridge and abutments thereof now in place, at their own risk as to use but shall not be at liberty to rebuild any part of said bridge or abutments on the aforesaid southerly twelve feet (12′) of road allowance to be conveyed to said Wallace as hereinbefore provided.

(*f*) The said Mary Caldwell and Ernest Caldwell shall pay to the said Robert M. Wallace the sum of Fifty Dollars ($50.00) as part consideration for the conveyance to them of the aforesaid twenty-eight-foot (28′) strip of said side road, forthwith upon the delivery and registration of said conveyance.

(*g*) That the said Municipality shall be at liberty to sell or lease the easterly ten (10) chains in depth of the aforesaid side road in such manner as it may deem proper and expedient in the pre nises.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-1754

Application by the Township of Scarborough, under chapter 88, 13-14 Geo. V, Ontario Statutes, 1923, for approval of its proposed By-law 1570, to set apart a further defined area to be known as "Water Area No. 6."

June 1st. Application and material filed.

June 25th. Hearing, pursuant to appointment, 11 a.m., 11.45 a.m. to 12.30 p.m., at Board's Chambers. By-law to be amended to stop Main at Andrew Avenue. (See Reporter's Notes.)

June 30th. Draft Order filed.

July 4th. Order issued.

25th June, 1928.

ORDER

Upon this matter coming on for hearing this day, public notice of the hearing having been duly given as directed by the Board, and upon hearing what was alleged by Henry E. Redman, Esquire, Counsel for the Applicant, and upon reading the copy of the said proposed By-law and other material filed, and upon hearing what was alleged by all persons present who desired to be heard:

The Board doth order, under and in pursuance of the provisions of Chapter 88 of the Statutes of Ontario passed in the thirteenth and fourteenth years of the reign of His Majesty King George V, that the said By-law No. 1560, intituled "By-law No. 1560 of the Township of Scarborough, being a By-law to set apart a further defined area of the Municipality to be known as Waterworks Area No. 6, and to authorize the construction and extension of the Scarborough Waterworks in such area, and to authorize the construction of mains in such area, and to authorize the imposition and levy of the rates which have already been imposed upon Waterworks Areas Nos. 1, 2, 4 and 5 at large in respect to said waterworks remaining unpaid after the fifteenth day of December, 1927, on said Waterworks Area No. 6 as well as on Waterworks Areas Nos. 1, 2, 4 and 5," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-1755

Between:

The Municipal Corporation of the Township of Crowland,

Applicant,

—and—

The Municipal Corporation of the City of Welland,

Respondent.

(Application under section 12, chapter 236, R.S.O., to close street or highway lying between Lots 57 and 58, Plan 877, for Township of Crowland, extending from south limit of Sixth Street to the north limit of the Canadian Southern Railway lands.)

June 1st. Application filed.

June 26th. Hearing, pursuant to appointment, 11.40 a.m. to 1.15 p.m., at Court House, Welland. Application to be approved if County Judge considers matter should be allowed and makes Order closing the street or highway in question.

PROCEDURE FILE A-1761

Application by the Village of Forest Hill, under section 398 (2*b*) of "The Municipal Act," for approval of its By-law No. 285, amending its Restricted Area By-law No. 76 as to land south of Eglinton Avenue.

June 7th. Application and material filed.

June 25th. Hearing, pursuant to appointment, 3 to 3.40 p.m. Application granted. Applicant's Solicitor to draft Order.

June 28th. Draft Order filed.

June 28th. Order issued.

June 25th, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the material filed by Melville Grant, Esquire, Solicitor for the Applicant, upon hearing what was alleged by Counsel for the Applicant, and upon hearing Mr. H. Hamilton, Jr., Solicitor for the Forest Hill Presbyterian Church; Mr. W. A. Stowger, for Toronto Developments, Limited, and Mr. J. Arnold appearing personally, and no others appearing to oppose the said application although public notice of the hearing of the same was duly given as required by "The Municipal Act",

The Board orders, under and in pursuance of section 398 of "The Municipal Act," being chapter 233 of the Revised Statutes of 1927, that the said By-law No. 285, entituled "A By-law to consolidate the By-laws creating a residential district in the Village of Forest Hill, south of Eglinton Avenue," be and the same is hereby approved.

And the Board doth make no Order as to costs excepting for the payment by the Applicant, the Corporation, of the tariff fee of $20.00 for Law Stamps payable on the Order herein.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1767

In the matter of the petition of Mrs. A. A. Beirness and others, under section 9 of "The Local Improvement Act," against the construction of a 6-inch watermain on 40th Avenue East, Township of North York, between the east limit of Lot 9 (Plan 2277) and Estelle Street.

June 11th. Petition filed.

July 23rd. Hearing, pursuant to appointment, 11 to 11.15 a.m. Petition dismissed for want of jurisdiction.

Aug. 2nd Further material filed.

Aug. 2nd. Draft Order filed.

Aug. 3rd. Order issued.

July 23rd, 1928.

ORDER

Upon the application of the Petitioners, in the presence of the Petitioners and Counsel for the Corporation of the Township of North York, and upon reading the evidence filed on behalf of the said Corporation, and upon hearing the Petitioners and Counsel for the said Corporation, and it appearing that the above described work is being constructed by the Corporation of the Township of North York on the recommendation of the Local Board of Health under the provisions of section 9 of "The Local Improvement Act",

1. This Board doth order that the petition filed by the Petitioners be and the same is hereby dismissed for want of jurisdiction.

2. And this Board doth not see fit to make any Order as to costs, save that the Corporation of the Township of North York pay the sum of Ten Dollars ($10.00) for Law Stamps, the Board's tariff fee herein.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1770

In the matter of the petition of Hartman Krug and others, under section 8 of "The Local Improvement Act," against the establishing and opening of Duke Street, from Queen Street to Frederick Street, in the City of Kitchener, at a width of 66 feet, as a local improvement.

June 12th. Petition filed.

July 10th. Hearing, pursuant to appointment, 10.15 a.m. to 2 p.m., Council Chamber, City of Kitchener. Judgment reserved.

Aug. 1st. Board directs that By-law be amended.

Sept. 10th. By-law No. 2036 filed.

Sept. 14th. Board approves By-law No. 2036.

Sept. 19th. Approved draft Order filed.

Sept. 25th. Order issued.

September 14th, 1928.

ORDER

Upon the petition of Hartman Krug and others opposing the Resolution of the Council of the Corporation of the City of Kitchener to open and establish a highway, being the extension of Duke Street from Queen Street to Frederick Street, at a width of 66 feet and having, pursuant to appointment on the 10th day of July, 1928, at the Council Chamber, in the City of Kitchener, heard evidence in support of such petition and on behalf of the Corporation, and it appearing that the proceedings have been amended and Construction By-law No. 2036 of the Corporation having been duly passed by the Municipal Council thereof in compliance with such amendment, and the said By-law having been filed in accordance with the Board's directions and the same having stood over until this day for judgment:

The Board orders, under and in pursuance of the provisions of section 8 of "The Local Improvement Act," that the said By-law No. 2036 be and the same is hereby approved and the said petition be and the same is hereby dismissed.

And the Board makes no Order as to costs, except that the Corporation of the City of Kitchener shall pay $15.00 for Law Stamps on this Order, which amount may be added to the cost of the work.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1772

Application by the City of Toronto, under section 343 (3) of "The Municipal Act," for approval of its By-law No. 11716, amending its By-law No. 9416 by excluding therefrom certain lands at 210 Bloor Street East.

June 14th. Application and material filed.

July 4th. Hearing, pursuant to appointment, 11 a.m., 11.15 a.m. to 12.15 p.m., at the Board's Chambers. Board cites *re* Toronto (Bloor Street widening), 58 O.L.R., at page 230. If Parties come to an agreement same may be filed and Board will reconsider application. Judgment reserved. (See Reporter's Notes.)

Procedure File A-1773

In the matter of section 77*a* of "The Highway Improvement Act," as enacted by section 6, chapter 18, O.S. 1928, and in the matter of the claim of H. Cardinal for damages caused by construction of a culvert on the public road that crosses Lots 28 and 29, Concession I, O.S., Township of Cumberland, County of Russell.

June 19th. Reference and Claim filed.

Oct. 11th. Hearing, pursuant to appointment, 10 a.m. to 1 p.m., at Court House, Ottawa. (2.30 p.m.: View.) Judgment reserved.

Oct. 17th. Award and Reasons therefor issued.

Nov. 27th. Leave to appeal refused by Appellate Division. (See *Globe* of this date.)

Award

To all to whom these presents shall come:

The Ontario Railway and Municipal Board sends greeting:

Whereas under the provisions of "The Highway Improvement Act," being chapter 54, R.S.O. 1927, as amended by 18 Geo. V, chapter 18, section 6, the Department of Public Highways of the Province of Ontario duly gave notice of expropriation of certain lands, being part of Lots Nos. 28 and 29, in the First Concession, O.S., in the Township of Cumberland, in the County of Russell, to the owner thereof, one H. Cardinal;

And the said H. Cardinal claimed from the Department of Public Highways of the Province of Ontario certain remuneration for the land so expropriated and in addition thereto damages as set out in the Claim filed by the said H. Cardinal as follows:

"1. To trespass on my property without my permission from June 16th to November 15th, 1922	$500 00
"2. To loss of pasture for cattle, three weeks	10 00
"3. To fence broken and buried	5 00
"4. To four trees cut, one elm and three pine	20 00
"5. To two signs destroyed	2 00
"6. To loss of customers during the summer, 1922	100 00
"7. To land taken to enlarge the road, 27 feet	75 00
"8. To field of hay lost (in shutting my way)	50 00
"9. To damage to my bridge over my dam caused by the ice coming over the culvert	75 00
"10. To loss of profits at sawmill for four years as per my books (average, $914.00 a year)	2,000 00
"11. To general damages to my property by the ice above their culvert	10,000 00
	$12,837 00"

And the Honourable the Minister of Public Works having duly given notice that he desires that the compensation shall be determined by this Board:

Now, the said The Ontario Railway and Municipal Board, having taken upon itself the burden of the arbitration to fix such compensation and damages as aforesaid, and having heard and duly considered all the allegations and evidence

of the said Claimant, H. Cardinal, and of the said Department of Public Highways of Ontario, and all parties interested in the said lands appearing before the said Board, concerning the said matters and things so referred to its arbitrament as aforesaid, does hereby make and publish its findings and award as to all the said matters and things as follows:

1. The Board finds and awards the value of the land expropriated, and the trees taken by the said Department to be	$75 00
2. The Board finds and allows 10 per cent. on the amount of its above-mentioned award for compulsory expropriation of the said land, amounting to	7 50
3. The Board allows to the Claimant interest on $82.50 at the rate of 5 per cent. per annum from the date of expropriation, namely, the 31st day of October, 1922, to the date hereof	24 60
Total	$107 10

The Board does not see fit to allow any amount for any of the other claims set out in the said Claimant's Statement of Claim as filed herein.

The Board does not allow any costs in connection with this arbitration, save and except the tariff fee of $15.00 which will be paid by the Department of Public Highways.

In witness whereof, the Chairman, the Vice-Chairman and the Commissioner of the said The Ontario Railway and Municipal Board, being the members thereof before whom the said arbitration was heard, have hereto set their hands and caused to be affixed hereto the seal of the said Board, this 17th day of October, A.D. 1928, at the City of Toronto, in the Province of Ontario.

Toronto, October 17th, A.D. 1928.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
(Seal) *Vice-Chairman.*

(Sgd.) J. A. Ellis,
Commissioner.

Reasons for Award

This is an application made by the Claimant, H. Cardinal, against The Ontario Department of Public Highways, the Respondents, for the price of land taken by the said Department for the construction of a highway which crosses Lots Nos. 28 and 29, First Concession, O.S., in the Township of Cumberland, in the County of Russell; and for damages by reason of the construction of a culvert upon the said public highway in such a place and of such a nature as according to the contention of the Claimant to cause him considerable damage.

The Statement of Claim of the Claimant was filed on the 19th June, 1928, and by virtue of section 6, subsection (1) of chapter 18 of 18 Geo. V, the matter in dispute was referred to The Ontario Railway and Municipal Board.

In compliance with an appointment issued and served on all parties the hearing took place at the City of Ottawa commencing at 10 o'clock a.m., and continuing until 1 o'clock p.m., after which hour the Board journeyed to the location of the culvert in question and personally took a view of the situation.

As to the different items in the Statement of Claim filed:

No. 1.—There was no evidence placed before the Board that any trespass upon the property of the Claimant had taken place at the instigation of the Highways Department or any employee thereof.

Nos. 2, 3 and 5.—If the Claimant lost pasture, or if his fence was broken or his sign destroyed as contended, there was nothing in the evidence to in any way connect the Highways Department with this loss.

Nos. 4 and 7.—The Claimant asks $75.00 for the land taken to widen the roadway, and $20.00 for four trees, making in all $95.00 as due to him by reason of the land and trees taken from him by the Department. As to this Claim, the Board is of the opinion that the Claimant will be well paid by receiving therefor $75.00.

Nos. 6 and 8.—There was nothing in the evidence which could in any way connect the Highways Department with the Claim as set out by the Claimant as to loss of custom, or loss of hay as set out in the Claim.

Nos. 9, 10 and 11.—These several claims being for damages to the bridge, loss of profits at the sawmill, and general damage to the property through the breaking of the Claimant's dam cannot be allowed. There was not one word of evidence as to the amount of damage the Claimant sustained without which the Board would be helpless to fix the damage, and upon viewing the situation the Board is of the opinion that the culvert in question is quite sufficient to answer the demands made upon it by the flow of the water, and under no reasonable circumstances could the culvert be blamed for any loss sustained by the Claimant through the breaking of his dam almost 1,000 feet away.

We find, therefore, that the Claimant is entitled to receive $75.00 for the land and trees taken by the Respondent.

To this we add 10 per cent. for compulsory taking on the value of the land in question, namely, $7.50, and interest on $82.50 from the date of the taking of such land, namely, the 31st day of October, 1922, to the date hereof.

There shall be no costs in connection herewith, save and except the Board's tariff fee for Law Stamps herein, namely $15.00, to be paid by The Ontario Department of Public Highways.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto,
the 17th day of October, A.D. 1928.

Procedure File A-1774

Application by the City of Toronto, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law 11745 (either side of Astley Avenue or the north side of Douglas Drive from Glen Road to the east end) to detached private residences.

June 19th. Application filed.

July 23rd. Hearing, pursuant to appointment, 11.15 to 11.30 a.m. By-law referred back to Council. (See Reporter's Notes.)

PROCEDURE FILE A-1781

Application by the Town of Sioux Lookout, under section 17 (2) of "The Municipal Act," for annexation thereto of that portion of Block 10 (to the north), Registered Plan M 218, Parcel 9746, and being Land Grant to the Grand Trunk Pacific Railway in the District of Kenora (unorganized township).

June 25th. Application and material filed.

Aug. 7th. Petition of R. G. Forsythe and others, against proposed annexation, filed.

Aug. 24th. Hearing, pursuant to appointment, 7.30 p.m., Council Chamber, Sioux Lookout. Board directs the Town to take a poll of the area to be annexed, after which Board will deliver Judgment.

Sept. 15th. Proof of result of poll, showing majority in favour of annexation, filed.

Sept. 17th. Application granted. Order issued accordingly.

17th September, 1928.

ORDER

Upon the application of the said Corporation, and public notice of such application having been given in accordance with the Board's directions, and a petition having been filed by R. G. Forsythe and others against such annexation, and the Board having heard the application at the Council Chamber, in the Town of Sioux Lookout, on Friday, the 24th day of August, 1928, when the Board directed that a poll of the area be taken, and proof of the result of such poll showing a majority in favour of the annexation having been filed,

The Board orders, under and in pursuance of the provisions of subsection (2) of section 17 of "The Municipal Act," that the annexation to the said Town of Sioux Lookout of that certain parcel or tract of land and premises situate, lying and being in the District of Kenora and Province of Ontario, and being composed of that part of Block Ten (10) of the Land Grant made by the Government of Ontario to the Grand Trunk Pacific Railway, and which is more particularly set forth in a description prepared by E. R. Bingham, Ontario Land Surveyor, and dated 8th June, 1928, as follows:

Commencing at the northwest angle of Lot No. Three Hundred and Eleven (311) in the Government Town Plot of Sioux Lookout, of record in the Department of Lands and Forests at Toronto; thence due north 191.43 feet; thence east 706.33 feet; thence north 2 degrees 19′ west, 167.33 feet; thence north 87 degrees 41′ east, 1,782 feet; thence north 2 degrees 19′ west, 216 feet; thence north 87 degrees 41′ east, 660 feet; thence south 2 degrees 19′ east, 216 feet; thence north 87 degrees 41′ east, 594 feet; thence south 2 degrees 19′ east, 236 feet; thence north 87 degrees 41′ east, 66 feet; thence south 2 degrees 19′ east, 150 feet; thence north 87 degrees 41′ east. 724 feet; thence north 2 degrees 19′ west, 216 feet; thence north 87 degrees 41′ east, 472.2 feet, more or less, to the production north of the east limit of First Avenue in said Government Town Plot; thence south along said production of east limit, to the north limit of the said Government Town Plot; thence west along the said north limit to the point of commencement, be and the same is hereby approved.

And the Board orders that the said annexation shall take effect on and from the 31st day of December, A.D. 1928.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

Procedure File A-1783

In the matter of the petition of John Davidson and J. A. Fraser, under section 8 of "The Local Improvement Act," against the construction of a sidewalk on the west side of Herbert Street, from Annabella Street to Elizabeth Street, in the Town of Smiths Falls, as a local improvement.

June 26th. Petition filed.

July 13th. Hearing, pursuant to appointment, 2.30 to 3.30 p.m., Council Chamber, Smiths Falls. (Mr. Commissioner Ellis authorized under section 8, chapter 225, R.S.O.)

July 16th. Report of Mr. Commissioner Ellis filed and adopted.

July 16th. Order.

Report of Mr. Commissioner Ellis

I heard this application at the Town of Smiths Falls on the 13th of July, 1928, under section 8, chapter 225, R.S.O. 1927.

There are only three property owners concerned, two of whom are against the proposed work; the other in favour.

The estimated cost of the work is $430, of which $172 or 40 per cent. is to be paid by the Corporation.

After hearing the parties and viewing the site of the proposed work, I am unable to find that the work is not necessary, or that the Town is not paying a sufficient part of the cost.

I therefore recommend that the petition be dismissed.

The Board's tariff fee of $15.00 to be paid by the Town of Smiths Falls, and may be charged in the cost of the work.

(Sgd.) J. A. Ellis,
Commissioner.

Toronto, July 16th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) C. R. McKeown,
Chairman.

16th July, 1928.

Order

Upon the petition of John Davidson and J. A. Fraser, pursuant to the provisions of section 8 of "The Local Improvement Act," and Mr. J. A. Ellis, Commissioner of the Board, duly authorized under section 8, chapter 225, R.S.O. 1927, having at a hearing held in this matter pursuant to appointment on Friday, the 13th day of July, 1928, at the Town of Smiths Falls, heard all parties interested and Counsel appearing in their behalf, and having viewed the location in question, and upon consideration of the proposed work, and the Report of the Commissioner thereon having been this day filed and adopted,

The Board orders that the petition herein be and the same is hereby dismissed.

And the Board orders that a fee of Fifteen Dollars for Law Stamp be paid on this Order by the Corporation of the Town of Smiths Falls, which may be included in the cost of the work.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

PROCEDURE FILE A-1789

Application by the County of Peel, under section 469 (9) of "The Municipal Act," for relief from rebuilding "Eldorado Park" bridge spanning the Credit River at a point opposite Lot 1 on road allowance between Third and Fourth Concessions west of Hurontario Street, in the Township of Chinguacousy.

July 3rd. Application filed.

July 24th. Hearing, pursuant to appointment, 10.15 a.m. to 1 p.m., at the Court House, Brampton. Judgment reserved.

PROCEDURE FILE A-1794

Between:

A. A. Withers,

Applicant,

—and—

W. G. Fretts and Isaac Brisco
(trading as "The Fretts and Brisco Telephone System"),

Respondents.

(Application under section 95 of "The Telephone Act," for terms and conditions on which the Respondent shall furnish the Applicant with telephone service.)

July 4th. Application filed.

July 20th. Hearing, pursuant to appointment, 1 to 2.30 p.m., Court House, Napanee. Applicant to be furnished with service provided he is willing to pay cost of extending line to his premises and his share of the cost of maintenance plus Bell switching charges at Napanee. (No Order.)

PROCEDURE FILE A-1799

Between:

Alfred M. Russell (M.D.)
(trading as "The Russell Telephone System"),

Applicant,

—and—

The Millbrook Rural Telephone Company, Limited,

Respondent.

(Complaint under section 93 of "The Telephone Act," that Respondent is parallelling pole leads of Applicant's system without consent required by section 78 of "The Ontario Telephone Act, 1918," and section 93 of "The Telephone Act" (R.S.O. 1927, chapter 227).

July 5th. Application filed.

July 18th. Hearing, pursuant to appointment, 1.15 to 4 p.m., Court House, Peterborough. (Chairman authorized under section 8, chapter 225, R.S.O. 1927.)

July 25th. Report of Chairman filed and adopted. Matter to stand in *status quo* for three months.

Report of Chairman

The undersigned, having pursuant to appointment heard the evidence adduced on behalf of the Applicant and Respondent and having heard Counsel for the Respondent recommends as follows:

1. That the Respondent, the Millbrook Rural Telephone Company, Limited, shall not within three months from July 18th, 1928, install telephone service for any person whose premises are located upon or adjacent to any highway in the Township of South Monaghan upon or along which the pole leads of the telephone system of the Applicant, Dr. Alfred L. Russell, trading as The Russell Telephone System, are already erected, neither shall the Respondent solicit any of the said persons to take service.

2. The Respondent shall not at any time hereafter erect poles upon or along or adjacent to and parallel with any portion of a highway upon or along which the pole leads of the telephone system of the Applicant, Dr. Alfred L. Russell, or his successors or assigns, are already erected until an Order consenting to the erection of such poles by the Respondent has been obtained in accordance with the provisions of section 93 of "The Telephone Act," R.S.O. 1927, chapter 227, provided, however, that no application for such consent will be considered by the Board before October 18th, 1928.

(Sgd.) C. R. McKeown,
Chairman.

July 25th, 1928.

Adopted as the Order of the Board.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1803

Application by the City of Toronto, under section 398 (2*b*) of "The Municipal Act," for approval of its By-law No. 11760, repealing its Restricted Area By-law No. 8834 as to Nos. 14 and 18 Prince Arthur Avenue.

July 9th. Application and material filed.

July 23rd. Hearing, pursuant to appointment, 11.30 a.m. to 5 p.m., at Board's Chambers. Application dismissed. (See Reporter's Notes.)

Procedure File A-1810

In the matter of the petition of Mrs. Geo. Reid, and others, under section 20 of "The Municipal Act," for annexation to the City of Hamilton of part of the Township of Barton.

July 13th. Petition (certified by Township Clerk) and Resolution of City of Hamilton filed.

Sept. 11th. Hearing, pursuant to appointment, 10.30 a.m. to 1 p.m., Council Chamber, Hamilton. Parties interested to get together and agree on satisfactory form of Order. If parties cannot agree, Board will make Order without terms. Annexation to take effect on 1st October or 31st December, 1928.

Sept. 20th. Approved draft Order filed.

Sept. 24th. Order issued.

11th September, 1928.

ORDER

Upon the application of the above-mentioned petitioners and upon reading the petition of the Applicants herein filed with the Board, and the Resolution of the Council of the Corporation of the City of Hamilton, passed on the 9th day of July, 1928, declaring the expediency of such annexation upon the terms mentioned in said resolution, and upon hearing representatives of said petitioners and what was alleged by Counsel on behalf of the Corporation of the City of Hamilton, the Township of Barton, the County of Wentworth, the Board of Education of the City of Hamilton and the Trustees of the School Sections Nos. 3 and 7 of the Township of Barton, and reading the consents filed herein and public notice of the hearing having been given as directed by the Board.

This Board doth order and proclaim that the portion of the Township of Barton, in the County of Wentworth, described as follows:

All and singular that certain parcel or tract of land and premises, situate, lying and being in the Township of Barton, in the County of Wentworth, in the Province of Ontario, being composed of all of Lots 10 and 11 and parts of Lots 6, 7, 8, 9 and 12 in the Fourth Concession, and parts of Lots 10, 11 and 12 in the Fifth Concession of the said Township of Barton and which parcel may be more particularly described as follows, that is to say:

Commencing at the intersection of the southerly limit of Concession Street with the division line between Lots 65 and 66 between Salem Avenue and Harvard Avenue, according to the plan of Mount Royal Subdivision;

Thence southerly along said division line between Lots 65 and 66 and along the rear line or division line between the lots facing on Salem and Harvard Avenues respectively, in said Mount Royal Subdivision and continuing southerly in a straight line, along the production of said line to a point 100′ 0″ south of the south limit of Queensdale Avenue;

Thence easterly on a line parallel with and distant 100′ southerly at right angles from the south limit of Queensdale Avenue to a point in the northerly production of a straight line drawn half way between East 13th and East 14th Streets, and parallel with same;

Thence southerly in a straight line to and along said line drawn half way between East 13th and East 14th Streets and along the southerly production thereof to a point 100′ 0″ south of the south limit of Fennell Avenue;

Thence easterly on a line parallel with and distant 100′ southerly at right angles from the south limit of Fennell Avenue to the division line between Lots 9 and 10 in the Fifth Concession of said Township;

Thence northerly along last-mentioned line and continuing northerly along the line between Lots 9 and 10 in the Fourth Concession of said Township to where it intersects a line drawn along the rear of Lots 47, 48, 49 and 50 on the south side of Fourth Avenue as laid out in Brandon Hill Survey.

Thence easterly along the rear line of the lots fronting on the said south side of Fourth Avenue in Brandon Hill Survey, and continuing easterly along the production of said line to a point 100′ easterly from the east side of Sherman Avenue;

Thence northerly on a line parallel with and distant 100′ easterly at right angles from the said easterly limit of Sherman Avenue to a point 100′ southerly at right angles from the south limit of Munn Street;

Thence easterly along a line parallel with and distant 100′ southerly at right angles from the south limit of Munn Street to the division line between Lots 7 and 8 in the Fourth Concession of said Township.

Thence southerly along the last-mentioned line between Lots 7 and 8 to a point 100′ south from the south limit of Park Street;

Thence easterly along a line parallel with and distant 100′ southerly at right angles from the south limit of Park Street to a point 100′ easterly from the east limit of Gage Avenue;

Thence northerly on a line parallel with and distant 100′ easterly at right angles from the east limit of Gage Avenue to a point 100′ southerly at right angles from the south limit of Concession Street;

Thence easterly on a line parallel with and distant 100′ southerly at right angles from the south limit of Concession Street to its intersection with the mountain brow, which is also the southerly limit of the City of Hamilton at this point;

Thence westerly along the mountain brow and southerly along Sherman Avenue to Concession Street and westerly along Concession Street, and following the various deviations of the said southerly limits of the City of Hamilton to the place of beginning, as shown on the plan attached hereto be, and the same is hereby annexed to the City of Hamilton, and the said annexation shall take effect upon and subject to the following terms and conditions, namely:

1. That the taxes, assessments, rents, water, school and other rates in respect of the said annexed district to be levied by the City of Hamilton in respect of the said territory shall for the year 1929 and thereafter be the same, and payable at the same time and in the same manner as taxes, assessments, rents, water, school and other rates, levied and raised from time to time on the property within the old boundaries of the City as they existed on the 1st day of January, 1891, and the assessment of the said territory by the City shall, for the year 1929 and thereafter be on the same basis and made at the same time and in the same manner as in the said old boundaries of the City, except that the assessment by the Corporation of the City of Hamilton of the said territory for the year 1929 may be taken by the City Assessors at any time after the date of this Order.

2. The Township of Barton shall at all reasonable times allow the Corporation of the City of Hamilton, its servants and agents access to the assessment rolls of the said portion of the said Township of Barton and to all local improvement by-laws and local improvement assessment rolls, and also all plans, surveys and maps applicable to the said portion of the said Township for the purpose of making copies of the same.

3. (*a*) The Corporation of the Township of Barton shall pay to the Corporation of the City of Hamilton on the 31st day of December, 1928, an amount equal to seventeen and one-half (17½) per centum of the amount of the general taxes, assessed against the said annexed area for the year 1928 excepting school, county and debenture rates.

(*b*) Except as provided in clause 3 (*a*) all taxes imposed by the Township in the annexed district for the year 1928 and any and all arrears of taxes owing in the said district shall belong to the Township of Barton.

4. (*a*) The Corporation of the Township of Barton shall forthwith prepare and furnish to the Corporation of the City of Hamilton a special collector's roll showing all arrears of taxes or special rate assessed against the lands in the annexed area up to the 31st day of December, 1928, and the persons assessed therefor.

(*b*) The Corporation of the City of Hamilton shall have the right to collect all said arrears of taxes to the 31st day of December, 1928, owing in the said annexed area, according to said special collector's roll, including the right to distrain for non-payment of said arrears, or if necessary the right to sell the said lands, if any, for non-payment of such arrears, as fully as if the said taxes had been assessed and levied by such Corporation, but the proceeds of the collection of such arrears, or any part of the same, after deducting therefrom the proper costs and expenses in connection with the collection of same, shall be repaid by the Corporation of the City of Hamilton to the said Corporation of the Township of Barton within six months from the date of collection, provided that the said Corporation of the City of Hamilton shall proceed to collect the said arrears of taxes shown on said special roll, in the same manner as if it had assessed and levied the same, and for that purpose the City Corporation shall have all the rights and powers conferred upon municipalities by "The Assessment Act," or other Acts in force regarding the collection of arrears of taxes in the annexed area, but the City Corporation shall not be responsible to the Corporation of the Township of Barton for any such arrears of taxes which it may be unable to collect.

(*c*) The Corporation of the Township of Barton shall indemnify and save harmless the Corporation of the City of Hamilton from all loss, costs, charges and expenses arising from any act or omission of the Township of Barton or their officials or servants in connection with the said special roll.

5. Until the 1st day of January, 1929, the public schools in the said annexed district shall remain under the management of the Trustees of the respective School Sections of the Township in which the same are located, and such Trustees shall continue to pay the costs of maintenance of such schools for and during that period, and the present agreement between the County of Wentworth and the Board of Education for Hamilton, for school pupils of the said annexed district attending the High Schools, Collegiate Institutes and Technical Schools in the said City of Hamilton during the same period until January 1st, 1929, shall continue unaltered, the intention being that the responsibility for, and costs of education of school children of such annexed district during all said period shall remain the same, as if the annexation of such district is not to take effect until said 1st day of January, 1929.

6. The Township shall pay the sums which the County of Wentworth and the several School Sections affected shall be entitled to be paid respectively for the year 1928, and in any arbitration between the City, the Township of Barton and the County of Wentworth, and the School Sections affected, the arbitrator or arbitrators may take into consideration the payment made or to be made under this paragraph, and in the adjustment of the assets and liabilities such adjustment shall be based on the Township assessment for the year 1928, as finally revised, and the Township assessment of the district annexed; the adjustment between the City and the County to be based upon the Township's equalized assessment; the adjustments between the Township, the County and the School Sections respecting the debenture debt to be adjusted as of the 1st January, 1929, excepting therefrom any debentures issued by the Township or County after the date of this Order.

7. The Council of the Corporation of the City of Hamilton is hereby empowered to pass a by-law or by-laws defining the polling sub-divisions of the said annexed district, and the City Clerk shall prepare from the last certified voters' list of the Township of Barton a supplementary list of voters containing

the names of and the other particulars relating to the persons who would have been entitled to vote in such district or territory if it had not been detached, pursuant to section 101 of "The Municipal Act."

8. All rights, title and interest in the Township of Barton, and the County of Wentworth in the highways and streets in said area, together with any and all right, title and interest in any franchises or agreements heretofore given or made respecting the said highways and streets, shall vest in the Corporation of the City of Hamilton.

9. The adjustments of the assets and liabilities of the Hydro-Electric Commission of the Township of Barton shall be subject to the approval of the Hydro-Electric Power Commission of Ontario at the present actual value, and the Hydro-Electric Power Commission of Ontario shall be the sole arbiter as between the Hydro-Electric Power Commission of the Township of Barton and the Hydro-Electric Commission of the City of Hamilton.

10. Where any work heretofore has been constructed in the said district and such work is defective or insufficient the Corporation of the City of Hamilton may proceed with the construction of required works under the provisions of "The Local Improvement Act" notwithstanding the lifetime of the first-mentioned work has not expired.

11. The residents of the district to be annexed shall be entitled to water from the Hamilton waterworks upon the same terms and conditions as the residents of Hamilton.

12. That part of the said annexed territory east of Wentworth Street (being allowance for road between Lots 10 and 11 of the Township of Barton) shall form part of Ward No. 1 of the said City, and that part of the said annexed territory west of the said Wentworth Street shall form part of Ward No. 2 of the said City.

13. The Corporation of the Township of Barton, the County of Wentworth and the City of Hamilton shall be entitled to an adjustment of assets and liabilities pursuant to the provisions of section 38 of "The Municipal Act" and section 37 of "The Public Schools Act" shall apply as between the municipalities and School Sections Nos. 3 and 7, Barton, affected by this Order.

14. The Order shall come into force on the 1st day of October, 1929.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-1813

In the matter of the petition of Mrs. Mae McPherson and others, under section 8 of "The Local Improvement Act," against the construction of an asphalt roadway on King Street, from Ottawa Street to Kenilworth Avenue, in the City of Hamilton.

July 14th. Petition filed.

July 19th. Certificate of City Clerk that petition not filed in time.

Aug. 13th. New notice of intention having been published, new petition filed by former petitioners.

Sept. 11th. Hearing, pursuant to appointment, 10.30 a.m.; 12 md. to 1 p.m., Council Chamber, Hamilton. Board directed that City shall pay, in addition to the amount they are required to pay under "The Local Improvement Act," the cost of Ten feet of the proposed Forty feet of pavement to be constructed.

Procedure File A-1814

Application by the Township of Etobicoke, under section 4 of "The Municipal Act," for approval of its By-law No. 3213, Franchise to Consumers' Gas Company of Toronto.

July 14th. Application filed.

July 24th. Reply of Consumers' Gas Company of Toronto filed.

Sept. 7th. Reply of City of Toronto filed.

Sept. 10th. Hearing, pursuant to appointment, 11-11.45 a.m., at the Board's Chambers. Adjourned to Monday, 8th October, 1928, at 11 a.m.

Dec. 6th. Application withdrawn.

Procedure File A-1815

Between:

David Bull and Commissioners for the Telephone System of the Municipality of the Township of Brighton,

Applicants,

—and—

D. S. and A. P. Austin
(trading as "The Murray-Brighton Telephone Company"),

Respondents.

(Application under sections 93 and 95 of "The Telephone Act," for authority to extend The Brighton Municipal Telephone System to the premises of David Bull, in the Village of Wooler.)

July 17th. Application filed.

July 20th. Hearing, pursuant to appointment, 1 to 3 p.m., Court House, Napanee. Application dismissed.

Procedure File A-1819

Application by the City of Sarnia, under section 398 of "The Municipal Act," for approval of its Zoning By-law No. 1754.

July 19th. Application and material filed.

Sept. 12th. Hearing, pursuant to appointment, 1 to 3 p.m., Council Chamber, Sarnia. By-law to be approved if City Council makes amendments leaving out Lots 110 and 111, and any other desired amendments (not enlarging the area covered by the By-law). Matter to be taken up by Council at next meeting on September 24th. Objectors to secure petition of ratepayers objecting and present to Board. Hearing adjourned *sine die*.

Procedure File A-1823

Application by The Tara-Keady Telephone Company, Limited, under section 103 of "The Telephone Act," for authority to increase its charges for service, from $12.50 to $18.00 per annum.

July 25th. Application and material filed.

Nov. 14th. Hearing, pursuant to appointment, 1.15 to 2.15 p.m., Court House, Owen Sound. (Chairman authorized under section 8, chapter 225, R.S.O.) Application granted.

Nov. 22nd. Report of Chairman filed and adopted. Application granted.

Nov. 22nd. Order.

REPORT OF CHAIRMAN

The undersigned, having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

Toronto, November 22nd, 1928.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

November 22nd, 1928.

ORDER

Upon the application of the above-named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements, and other material filed.

The Board orders that the Applicant, The Tara-Keady Telephone Company, Limited, be authorized to charge the following rates for telephone service, to take effect as from July 1st, 1928:

To shareholders.....$12.50 per annum.
To non-shareholders.....$18.00 per annum.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-1836

Application by the Commissioners for the Telephone System of the Municipality of Emo, under section 103 of "The Telephone Act," for approval of a revised Schedule of Charges for Service.

July 31st. Application and material filed.

Aug. 21st. Hearing, pursuant to appointment, 10.30 to 11.50 a.m., Town Hall, Emo. Charges approved.

Sept. 13th. Order.

Oct. 12th. Revised Order issued and cancelling Order of September 13th, 1928.

September 13th, 1928.

ORDER

Upon the application of the above-named Applicants, upon hearing the evidence adduced on behalf of all parties, upon reading Statements of Assets and Liabilities, Receipts and Disbursements and other material filed:

The Board orders that the Applicants, the Commissioners for the Telephone System of the Municipality of Emo, be authorized to charge the following rates for telephone service:

To subscribers to the "Kingsford" extension.....$27.00 per annum.
To all other subscribers.....$15.00 per annum.

to take effect as from January 1st, 1928.

To persons not being subscribers within the meaning of subsection (*h*) of section 1 of "The Telephone Act" (R.S.O. 1927, chapter 227).....$18.00 per annum.

to take effect as from January 1st, 1929.

And the Board makes no order for costs, save and except that the Applicants shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

October 12th, 1928.

Order

Upon the application of the above-named Applicants, upon hearing the evidence adduced on behalf of all parties, upon reading Statements of Assets and Liabilities, Receipts and Disbursements and other material filed:

The Board orders that the Applicants, the Commissioners for the Telephone System of the Municipality of Emo, be authorized to charge the following rates for telephone service:

To subscribers to the "Kingsford" extension.....$27.00 per annum.
To those subscribers whose annual instalments of principal and interest have been paid for the full period covered by the By-law providing for the issue of debentures in respect of the installation of their respective services.....$15.00 per annum.
To all other subscribers.....$18.00 per annum.

to take effect as from January 1st, 1928.

To persons not being subscribers within the meaning of subsection (*h*) of section 1 of "The Telephone Act" (R.S.O. 1927, chapter 227).....$20.00 per annum.

to take effect as from January 1st, 1929.

And the Board further orders that its Order dated the 13th day of September, A.D. 1928, be and the same is hereby cancelled.

And the Board makes no order for costs or for Law Stamps in respect of this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-1841

Application by The International Railway Company, under sections 256 and 257 of "The Railway Act," for approval of design and operation of one-man car on its Bridge Street Line (operating from Bridge Street, Niagara Falls, Ontario, to and over Falls View Bridge, to Niagara Falls, New York).

Aug. 7th. Application and material filed.

Sept. 5th. Hearing, pursuant to appointment, 10.30 to 11.45 a.m., at the Council Chamber, City Hall, Niagara Falls. Judgment reserved.

Sept. 8th. Order, giving permission to operate car until July 1st, 1929.

Re Fence Along Escarpment from Upper Bridge to Bridge Street

Sept. 5th. This matter referred to at the hearing of the above application. Since being advised by Mr. Middlemist that 7 feet from the centre line of the track to the face of the poles is sufficient clearance for safe operation of cars, the Park authorities submitted a plan showing that at only one point is it necessary to build a work sufficient to enable the placing of a pole and platform, the latter to accommodate passengers and the former to clear 7 feet as above. The President and General Manager to meet the cost of same. Engineers to agree as to cost, etc., and in case of dispute, settlement to be made by Mr. Middlemist.

September 8th, 1928.

ORDER

Upon the application of the said Railway Company and upon hearing what was said by the President and General Manager of the said Railway Company on behalf of the said application, and by the Mayor of the City of Niagara Falls, Ontario, in opposition thereto:

The Board orders, under and in pursuance of the provisions of sections 256 and 257 of "The Railway Act," being chapter 224, R.S.O. 1927, that the type of one-man safety car which has been operated since the 24th day of June, 1928, on the above-named route, may continue to so operate over the said route until the first day of July, A.D. 1929.

And the Board further orders that the type of said car is hereby approved and the route over which the said car is to continue operation is hereby approved in so far as the Board has jurisdiction to approve of the same, provided that the Board may at any time hereafter, of its own motion, or upon any application or complaint, rescind this Order and withdraw its approval of the said operation of such car by the said Company, and may cause the said Order to be altered, amended, varied or otherwise changed or modified as to the said Board may seem requisite or proper.

And the Board makes no order as to costs, nor shall there be any charge for Law Stamps upon the Order herein.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1855

Application by the Township of Etobicoke, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 3239, Humber Bay District.

Aug. 20th. Application and material filed.

Sept. 24th. Hearing, pursuant to appointment, 10.30 a.m. to 12 md. Adjourned to October 22nd, 1928, at 10.30 a.m., at Board's Chambers.

Oct. 22nd. Hearing continued, 10.30 to 10.45 a.m. Adjourned at request of Applicants (other Parties consenting) to Monday, November 19th, 1928, at 10.30 a.m.

Nov. 2nd. Application withdrawn.

Procedure File A-1858

In the matter of the application of the Municipal Corporation of the Township of Billings, under subsection (1) of section 17 of "The Municipal Act," for annexation thereto of all that part of the Township of Allan lying east of the Fifteenth Sideroad in the said Township of Allan.

Aug. 22nd. Application filed.

Nov. 2nd. Proof that no objections filed, pursuant to public notice given as directed by the Board.

Nov. 2nd. Application granted. Applicant's Solicitor to draft Order.

Nov. 9th. Draft Order filed.

Nov. 13th. Order issued.

November 9th, 1928.

Order

Upon the application of the above-named Applicant, and upon reading the Resolution of the Municipality of Billings requesting the said annexation, and upon reading notice asking for objections to the said annexation, which notice was published in the Gore Bay *Recorder* newspaper, adjacent to the said Municipality of Billings, and no objections having been filed in accordance with such notice, and upon reading the other material filed:

The Board orders that the unorganized portion of the Township of Allan, being all that portion of the Township of Allan lying east of the Fifteenth Sideroad in the said Township of Allan, be and the same is hereby annexed to the Municipality of the Township of Billings to form a part of the Municipality of Billings, the said annexation to take effect as of the 31st day of December, 1928.

The Board further orders that on and after the 31st day of December, 1928, that part of the said Township of Allan hereby annexed to the Municipality of Billings shall be subject to the By-laws of the said Municipality of Billings and shall be subject to taxes and liabilities of the said Municipality of Billings to the same extent as any other portion of the said Municipality of Billings.

And the Board makes no order for costs save and except that the Applicant shall pay Ten Dollars ($10.00) for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-1860

Application by the Village of Port Stanley, under section 490 (2) of "The Municipal Act," for approval of continuation of Edith Cavell Boulevard (along the beach) at a less width than 66 feet (50 feet).

Aug. 25th. Application and material filed.

Aug. 25th. Objection filed by J. E. Slater and others.

Oct. 9th. Hearing, pursuant to appointment, 1.30 to 2.40 p.m., Council Chamber, Port Stanley. Application granted.

Oct. 18th. Approved draft Order filed.

Oct. 18th. Order issued.

Dec. 18th. Order, approving By-law 704, as finally passed, issued.

October 9th, 1928.

ORDER

The application of the Corporation of the Village of Port Stanley, for an Order under subsection (2) of section 490 of "The Municipal Act," to approve of the Applicant's opening a street 50 feet in width in extension of the Cavell Boulevard in said Village, having come on for hearing before this Board at the Community Hall, in the Village of Port Stanley on the 9th day of October, 1928, notice whereof was duly given by posting up notices and advertising in the *Times-Journal* as directed by this Board; upon hearing the evidence adduced on behalf of the Applicant in presence of Mr. J. S. Robertson, Counsel for the said Applicant, and Mr. J. W. G. Winnett, Counsel for Charles A. Bowman, and others opposing the said application:

This Board doth hereby order, under and in pursuance of subsection (2) of section 490 of "The Municipal Act," that the laying-out by the Council of the said Corporation of the Village of Port Stanley of a road in continuation of Cavell Boulevard from the present termination thereof at the west limit of Lot 18, south of Front Street, on Plan 117, or the said limit produced southerly to Lake Erie to the west limit of Lot 32, Plan No. 160, produced southerly of a width of not less than 50 feet be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

December 28th, 1928.

ORDER

Upon the application of the said Corporation, and upon consideration of the Board's Order dated the 9th day of October, A.D. 1928, the copy of the said By-law and the blueprint plan thereto annexed:

The Board orders, under and in pursuance of the provisions of subsection (2) of section 490 of "The Municipal Act," that the said By-law No. 704, intituled "By-law No. 704, To establish and lay out a Highway in extension of Edith Cavell Boulevard in Port Stanley," be and the same is hereby approved in so far as it provides for the laying-out and establishing of the said highway at a width less than sixty-six feet.

(Sgd.) C. R. McKEOWN,
Chairman.

PROCEDURE FILE A-1863

In the matter of the application of the Corporation of the City of Hamilton, under section 20 of "The Municipal Act," for annexation to the said City of part of the Township of Barton (Chedoke Golf Club Lands).

Aug. 30th. Application and material filed. (Surveyor's description and plan and Resolution of City Council.)

Sept. 11th. Hearing, pursuant to appointment, 10.30 a.m. to 1 p.m., Council Chamber, City Hall, Hamilton. Application granted. Annexation to take effect as of 11th September, 1928. Order to be drafted by City Solicitor and approved by Township of Barton.

Sept. 20th. Approved draft Order filed (to be amended).

Sept. 22nd. Amended draft Order filed.

Sept. 22nd. Order issued.

11th September, 1928.

ORDER

Upon the application of the Corporation of the City of Hamilton herein filed with the Board and the Resolution of the Council of the said Corporation of the City of Hamilton, passed on the 31st day of July, 1928, declaring the expediency of such annexation and upon hearing what was alleged by Counsel on behalf of the Corporation of the City of Hamilton and the Township of Barton and the County of Wentworth, and public notice of the hearing having been given as directed by the Board:

This Board doth order and proclaim that the portion of the Township of Barton, in the County of Wentworth, described as follows:

All and singular that certain parcel or tract of land and premises, situate, lying and being in the Township of Barton, in the County of Wentworth, in the Province of Ontario, being composed of part of Lot 21 in the Fourth Concession of the said Township of Barton, and the lands conveyed to the Township of Barton for highway purposes, situated in Lot 20 in the Fourth Concession of the said Township, as described in Instrument No. 64035, dated July 23rd, 1897, and all of the unopened road allowance between Lots 20 and 21 (Paradise Road) extending southerly from the southerly limit of the T.H. & B. Railway property (Aberdeen Yards) to the mountain brow, and part of the unopened road allowance between Concessions 4 and 5, across Lots 21 in the said Township, all of which may be more particularly described as follows, that is to say:

Commencing at a stone monument planted in the southerly limit of Aberdeen Avenue, distant four hundred and seventy-four feet and ten inches (474′ 10″) measured westerly thereon from a stone monument planted at the intersection of the southerly limit of Aberdeen Avenue with the easterly limit of Aberdeen Avenue with the easterly limit of Lot 20 in the Fourth Concession of the said Township;

Thence westerly along the southerly limit of Aberdeen Avenue a distance of eighty-nine feet and four inches (89′ 4″) to its intersection with the southeasterly limit of the Freight Yards of the T.H. & B. Railway Company (Aberdeen Yards).

Thence south sixty-one degrees twelve minutes west (S. 61° 13′ W.) along the said southeasterly limit of the T.H. & B. Railway Company's Freight Yards a distance of five hundred and forty-six feet and nine inches (546′ 9″) to a point.

Thence south sixty-eight degrees eleven minutes west (S. 68° 11″ W.) continuing along the said limit of the said freight yards a distance of five hundred and seven feet (507′ 0″) to a point.

Thence westerly along the southerly limit of the said Freight Yards a distance of sixty-seven feet (67′ 0″) more or less to its intersection with the westerly limit of the unopened road allowance between Lots 20 and 21 in the Fourth Concession of the said Township.

Thence southerly along the said westerly limit of the unopened road allowance between Lots 20 and 21, a distance of one thousand and eighty-four feet and six inches (1,084′ 6″) to a stone monument planted at the southeast angle of the lands belonging to the Canadian Porcelain Company.

Thence south eighty-nine degrees thirty minutes west (S. 89° 30′ W.) along the southerly limit of the lands belonging to the Canadian Porcelain Company, a distance of nine hundred and twenty feet (920′ 0″) to the southwest angle of the lands belonging to the Canadian Porcelain Company.

Thence south eighteen degrees twenty-four minutes west (S. 18° 24′ W.) a distance of one thousand two hundred and forty-four feet and six inches (1,244′ 6″) more or less to a point in the southerly limit of the unopened road allowance between Concessions Four and Five in the said Township;

Thence easterly along the said southerly limit of the unopened road allowance between Concessions Four and Five, a distance of six hundred and forty-seven feet (647′ 0″) more or less to its intersection with the mountain brow, which is the northerly limit of "Edgemount" Survey at this point;

Thence northerly and easterly along the said brow of the mountain in all its windings to an intersection with the easterly limit of the said unopened road allowance between Lots 20 and 21 in the Fourth Concession of the said Township;

Thence northerly along the said easterly limit of the unopened road allowance between Lots 20 and 21 in the Fourth Concession of the said Township, a distance of two thousand four hundred and twenty feet (2,420′ 0″) more or less to a stone monument planted at its intersection with the southerly limit of the lands described in the said Instrument No. 64035;

Thence north sixty-eight degrees eleven minutes east (N. 68° 11′ E.) along the said southerly limit of the lands described in Instrument No. 64035 a distance of five hundred and sixty-five feet (565′ 0″) to a stone monument;

Thence north sixty-one degrees twelve minutes east (N. 61° 12′ E.) continuing along the said southerly limit of the lands described in Instrument No. 64035, a distance of six hundred and eleven feet (611′ 0″) more or less to the place of beginning.

The above-described parcel of land containing by admeasurement thirty-two and seventy-eight one-hundredths acres (32.78 acres), and being further shown outlined in red on the attached plan, be and the same is hereby annexed to the City of Hamilton, and the said annexation shall take effect upon and subject to the following terms and conditions, namely:

1. That the taxes, assessments, rents, water, school and other rates in respect of the said annexed district to be levied by the City of Hamilton in respect of the said territory shall for the year 1929 and thereafter be the same and payable at the same time and in the same manner as taxes, assessments, rents, water, school and other rates levied and raised from time to time on the property within the old boundaries of the City as they existed on the 1st day of January, 1891, and the assessment of the said territory by the City shall, for the year 1929 and thereafter, be on the same basis and made at the same time and in the same manner as in the said old boundaries of the City, except that the assessment by the Corporation of the City of Hamilton of the said territory for the year 1929 may be taken by the City Assessors at any time after the date of this Order.

2 (*a*). The Corporation of the Township of Barton shall pay to the Corporation of the City of Hamilton on the 31st day of December, 1928, an amount equal to seventeen and one-half (17½) per centum of the amount of the general taxes, assessed against the said annexed area and paid for the year 1928, excepting school, county and debenture rates.

(*b*) Except as provided in clause 2 (*a*) all taxes imposed by the Township in the annexed district for the year 1928 and any and all arrears of taxes owing in the said district shall belong to the Township of Barton.

3. The Township shall pay the sums which the County of Wentworth and the several School Sections affected shall be entitled to be paid respectively for the year 1928, and in any arbitration between the City, the Township of Barton and the County of Wentworth, and the School Sections affected, the arbitrator

or arbitrators may take into consideration the payment made or to be made under this paragraph, and in the adjustment of the assets and liabilities such adjustment shall be based on the Township assessment for the year 1928, as finally revised, and the Township assessment of the district annexed, the adjustment between the City and the County to be based upon the Township's equalized assessment; the adjustments between the Township, the County and the School Sections respecting the debenture debt to be adjusted as of the 1st January, 1929, excepting therefrom any debentures issued by the Township or County after the date of this Order.

4. The adjustments of the assets and liabilities of the Hydro-Electric Commission of the Township of Barton shall be subject to the approval of the Hydro-Electric Power Commission of Ontario at the present actual value, and the Hydro-Electric Power Commission of Ontario shall be the sole arbiter as between the Hydro-Electric Commission of the Township of Barton and the Hydro-Electric Commission of the City of Hamilton.

5. The Board doth further order and proclaim that the Corporation of the Township of Barton and County of Wentworth, and the City of Hamilton shall be entitled to an adjustment of assets and liabilities, pursuant to the provisions of section 38 of "The Municipal Act," and section 37 of "The Public Schools Act" shall apply as between the municipalities and the School Sections affected by this Order.

6. The said annexed territory shall form part of Ward No. 3 of the said City.

7. This Order shall come into force on the 1st day of October, 1928.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-1867

Application by the Township of North York, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 642, "Lawrence Park District."

Sept. 6th. Application and material filed.

Oct. 2nd. Hearing, pursuant to appointment, 11 to 11.45 a.m., at Board's Chambers. Application granted. By-law to be amended to permit two private, etc., houses on Stalker property. Council may consider Mr. Cloan's case. (See Reporter's Notes.)

Nov. 5th. By-law No. 677, amending By-law 642, filed.

Procedure File A-1875

Between:

James Whitington, *et al*,

Applicants,

—and—

The Municipal Corporation of the Township of South Monaghan,

Respondent.

(Application under section 12 of "The Telephone Act," for removal of Applicants' names from petition praying for establishment of a telephone system under the provisions of Part II of the Act.)

Sept. 7th. Application and material filed.

Sept. 27th. Hearing, pursuant to appointment, 10.30 a.m. to 12.30 p.m., Court House, Peterborough.

Sept. 28th. Order.

September 28th, 1928.

ORDER

Upon the application of the above-named Applicants, upon hearing the evidence adduced on behalf of the Applicants and Respondent and upon hearing Counsel for the Applicants and Respondent, upon reading the said application and other material on file:

The Board orders, pursuant to section 12 of "The Telephone Act" (R.S.O. 1927, chapter 227), that the removal of the signatures of the following Applicants affixed to a petition presented to the Council of the Municipality of the Township of South Monaghan praying for the establishment of a telephone system under Part II of the said Act, that is to say:

George N. Finnie	H. Dawson
W. G. Clark	H. A. Dawson, and
A. B. Byers	Frank Dawson

from the said petition is hereby approved.

And the Board further orders and declares that the signatures of the following Applicants affixed to the before-mentioned petition, that is to say:

Jas. Whittington	B. Seabrook
R. B. Holden	N. Watkins
Thos. Willan	Russell Darling
Chester Fisher	W. C. Dawson
Thos. Dawson	Jas. Lang
Jno. Emberson	H. A. Howson
J. E. Morrison	Robert Thorn
Peter Dawson	John Fletcher
A. Pue	Thos. H. Perrin
Richard Nurse	H. B. Wood
S. Robinson	W. Emberson
S. Thompson	Wm. Andrews
J. W. Morrison	M. J. Rutherford
E. E. Anderson	K. R. Moncrief
John S. Perrin	J. W. Jewison
J. Edgar Wood	J. H. Thompson

are good and valid signatures to said petition and each such Applicant so signing is bound under said petition in terms of the same.

And the Board makes no order for costs or for Law Stamp fees in respect of this Order.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1878

Application by The Dummer Municipal Telephone System, under section 103 of "The Telephone Act," for authority to increase the annual charge to subscribers for maintenance, from $5.00 to $8.00.

Sept. 11th. Application and material filed.

Sept. 27th. Hearing, pursuant to appointment, 10.30 to 11.30 a.m., at Court House, Peterborough. Application granted.

Sept. 29th. Order.

September 29th, 1928.

ORDER

Upon the application of the above-named Applicants, upon hearing the evidence adduced on behalf of all parties, upon reading Statements of Assets and Liabilities, Receipts and Disbursements and other material filed:

The Board orders that the Applicants, the Commissioners for the Telephone System of the Municipality of Dummer, be authorized to charge the following rates for telephone service:

To Subscribers:

For maintenance.....$8.00 per annum

to take effect as from January 1st, 1928.

The foregoing charge to be in addition to any amounts for which subscribers may be liable in payment of their share of principal and interest due under any By-law providing for the issue of debentures to meet the cost of the establishment or extension of the Applicant's system.

To persons not being subscribers within the meaning of subsection (h) of section 1 of "The Telephone Act" (R.S.O. 1927, chapter 227):

For rural party line service furnished continuously throughout the year.....$21.00 per annum

For extension telephones on the same premises..$12.00 per annum

For rural party line service furnished during the summer season.....$15.00 per annum

to take effect as from January 1st, 1929.

And the Board makes no order for costs, save and except that the Applicants shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKEOWN,

(Seal) *Chairman.*

PROCEDURE FILE A-1892 (P. 558)

Application by The Toronto Transportation Commission, under "The Railway Act," for approval of plan of proposed double track railway from Victoria Park Avenue to Birchmount Road, and proposed loop at the southeast corner of Kingston Road and Birchmount Road, Scarborough Division.

Sept. 20th. Application and Plans filed. (Plan of tracks, Drawing No. R-6-251, and of loop No. R-5-254.)

Sept. 26th. Hearing, pursuant to appointment, 11 a.m. to 12.30 p.m., at Board's Chambers. Subject to proposed special legislation, application granted. (See Reporter's Notes.)

Sept. 26th. Order approving proposed double track issued.
Sept. 26th. Order approving proposed loop issued.
Sept. 27th. Supplementary Plan (Drawing S-5-898A) showing details of Birchmount Road loop, filed as directed by the Board.

26th September, 1928.

ORDER

Upon the application of the Toronto Transportation Commission:

The Board doth order that, subject to the agreement dated the 18th day of September, 1928, between the Township of Scarborough and the Commission being ratified and confirmed by legislation, the Commission's plans, R-6-251, showing proposed double track on Kingston Road from Victoria Park Avenue to Birchmount Road, be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

20th September, 1928.

ORDER

Upon the application of The Toronto Transportation Commission, and upon hearing what was alleged by Counsel for the Applicants, the Township of Scarborough, and for Mrs. Rosie Ryan and by Dr. C. H. Robertson, and the Board having received the report of H. W. Middlemist, C.E., its Engineer, with reference to the plans submitted, and having considered the evidence adduced by the Applicants:

The Board doth order that, subject to the agreement dated the 18th day of September, 1928, between the Township of Scarborough and the Commission being ratified and confirmed by legislation, the Commission's Plan, R-5-254, showing proposed loop of the Commission's track near Birchmount Road, be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1894

Application by the City of Oshawa, under section 26 (3) of "The Local Improvement Act," for approval of its By-law No. 1891, to fix the proportion of cost of paving a portion of Simcoe Street, in the said City.

Sept. 22nd. Application and material filed.
Oct. 5th. Hearing, pursuant to appointment, Council Chamber, Oshawa, 10.30 a.m. (Mr. Commissioner Ellis authorized under section 8, chapter 225, R.S.O. 1927.)
Oct. 8th. Report of Mr. Commissioner Ellis filed and adopted. Application granted.
Oct. 8th. Order.

October 8th, 1928.

ORDER

Upon the application of the said Corporation, and upon reading the affidavit of Frederick E. Hare, Clerk of the said City, the copy of the said By-law and the other material filed, and Mr. Commissioner Ellis (duly authorized under section 8,

chapter 225, R.S.O. 1927), having, pursuant to appointment on the 5th day of October, 1928, at the Council Chamber, in the City of Oshawa, heard all parties interested in support of and in opposition to the said By-law, and the Report of Mr. Commissioner Ellis on such hearing having been this day filed and adopted by the Board as the basis of this Order:

The Board orders, under and in pursuance of the provisions of subsection (3) of section 26 of "The Local Improvement Act" (chapter 235, R.S.O. 1927), as amended by chapter 38, section 2, Ontario Statutes, 1928, that the said By-law No. 1891, intituled "By-law 1891 of the Corporation of the City of Oshawa, to fix the costs of paving a portion of Simcoe Street in said City," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Report of Mr. Commissioner Ellis

Pursuant to the provisions of section 8, chapter 225, R.S.O. 1927, I heard this application on the 5th inst., at the Council Chamber, in the City of Oshawa.

The work in question is a concrete pavement, 18 feet wide. The estimated cost is $11,344.00. The City's share, in any event, would be about $1,000, there being no street intersections except at each end of the proposed work.

The pavement is to be constructed on Simcoe Street, from Frank Street to Thomas Street. There is a street railway track on this street. Simcoe Street is a gravelled road at present and runs to the Harbour and Park on the Lake Front. The Engineer stated that in summer the traffic was very heavy and that during the six days' test made early in July the average number of vehicles using the highway was 3,950.

The vote in Council on the By-law was 12 to 1. It is claimed that the land is agriculture land, but this was questioned. The By-law provides for the City paying 40 per cent. of the entire cost and the property owners the remaining 60 per cent. I viewed the portion of the street in question and the land to be assessed was unsubdivided, and I think it will be several years before it is in demand for building purposes.

Under all the circumstances I cannot come to the conclusion that the City did not exercise a proper discretion in passing the By-law. I therefore recommend that the By-law be approved, the Board's tariff fee of $15.00 to be paid by the City and charged to the cost of the work.

Respectfully submitted.

(Sgd.) J. A. Ellis,
Commissioner.

Toronto, October 8th, 1928.

Adopted:

(Sgd.) C. R. McKeown.
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

Procedure File A-1895

In the matter of the failure of the Secretary-Treasurer of the Commissioners for the Telephone System of the Municipality of Roxborough to comply with the provisions of sections 103 and 117 of "The Telephone Act," and to require

the said Secretary-Treasurer and Commissioners to show cause why the penalties provided in sections 106 and 118 of the said Act shall not be enforced.

Sept. 22nd. Investigation by Board.

Oct. 11th. Hearing, pursuant to appointment, 9.30 to 10.30 a.m., Court House, Ottawa. Certain particulars directed to be furnished forthwith to Board's Supervisor of Telephone Systems.

Procedure File A-1901

Application by the City of Fort William, under section 398 of "The Municipal Act," for approval of its By-law No. 2896, amending its Restricted Area By-law No. 2369, and to establish additional restricted areas in the said City.

Sept. 26th. Application and copy of By-law No. 2896 filed.

Nov. 7th. Hearing, pursuant to appointment, 10 a.m.; 10.30 to 11.55 a.m., at Council Chamber, Fort William. Board decides to exempt Lots 77, 78, 79 and 80 for use for church purposes only. (City consenting thereto.) City to draft Order accordingly.

Procedure File A-1906

Application by the City of Toronto, under section 398 of "The Municipal Act," for approval of its By-law No. 11796, Restricted Area on Crawford Street, between Dundas and College Streets.

Oct. 1st. Application and copies of By-law filed.

Oct. 29th. Hearing, pursuant to appointment, 11 to 11.45 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

Oct. 29th. Draft Order filed.

Oct. 29th. Order issued.

29th October, 1928.

Order

Upon the application of the said Corporation and upon reading the material filed by the Solicitor for the Applicant and upon hearing what was alleged by Counsel for the Applicant and by Counsel for the owner of No. 311 Crawford Street who appeared to oppose the application and by various owners of property on Crawford Street aforesaid who appeared to support the application:

The Board orders, under and in pursuance of section 398*a* of "The Municipal Act," being R.S.O. 1927, chapter 233, that By-law No. 11796, entitled "A By-law to restrict to use for private residences only land and buildings on Crawford Street between Dundas and College Streets" be and the same, is hereby approved.

(Sgd.) C. R. McKeown,

(Seal) *Chairman.*

Procedure File A-1924

Application by the City of Toronto under section 398*a* (2*b*) of "The Municipal Act," for approval of its By-law No. 11825, repealing its Restricted Area By-law No. 9332 in so far as it prevents the housing of a truck at the rear of No. 19 Newmarket Avenue.

Oct. 9th. Application and material filed.

Nov. 13th. Hearing, pursuant to appointment, 11 to 11.30 a.m., at the Board's Chambers. Application dismissed. City Solicitor to draft Order.

PROCEDURE FILE A-1925

Application by the City of Toronto, under subsection (2*b*) of section 398 of "The Municipal Act," for approval of its By-law No. 11827, repealing its Restricted Area By-law No. 9651 in so far as it prevents the conversion of No. 200 Cottingham Street into a two-family dwelling.

Oct. 9th. Application and material filed.

Nov. 13th. Hearing, pursuant to appointment, 11 a.m.; 11.30 to 11.45 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

Nov. 20th. Draft Order filed.

Nov. 20th. Order issued.

13th November, 1928.

ORDER

Upon the application of the said Corporation and upon reading the material filed by the Solicitor for the Applicant and upon hearing what was alleged by Counsel for the Applicant and by Mr. A. Leeman, the owner of the property known as No. 200 Cottingham Street, and no one appearing to oppose the application:

The Board orders, under and in pursuance of section 398*a* of "The Municipal Act," being R.S.O. 1927, chapter 233, that By-law No. 11827, entitled "A By-law to repeal By-law No. 9651 in so far as it prevents the conversion of No. 200 Cottingham Street into a two-family dwelling," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-1926

Application by the Board of Park Management of the City of Hamilton, under section 12 (6) of "The Public Parks Act," for approval of (*a*) the setting aside of certain lands in La Salle Park for athletic purposes; (*b*) By-law No. 11 of the said Board of Park Management, and (*c*) the proposed lease of said lands to Maurice L. Smith, *et al.*

Oct. 9th. Application and material filed.

Oct. 30th. Hearing, pursuant to appointment, 10.30 to 11 a.m., Council Chamber, Hamilton. Application granted. Order approved by all Parties to be issued by Board.

Oct. 30th. Draft Order filed.

Oct. 31st. Order issued.

30th October, 1928.

ORDER

Upon the application of the said Board of Park Management of the City of Hamilton for an Order pursuant to subsection (6) of section 12 of "The Public Parks Act," (*a*) approving of the said Parks Board setting apart certain park lands for athletic purposes and for the purposes of sport, exhibitions and other lawful amusements or entertainments; (*b*) approving of By-law No. 11 of the Board of Park Management of the City of Hamilton, dated 1st October, 1928, and (*c*) approving of the proposed lease or license of such lands to Maurice E. Smith, Emmanuel W. Near, and George S. Mann, annexed as Schedule "A" thereto, and notice of the hearing of the said application having been duly given and published as directed by this Board, for the 30th day of October, 1928, at

the Council Chamber, in the City Hall, Hamilton, and the Board having held a sittings at the same time and place and no one appearing in opposition to the application, and upon hearing what was alleged on behalf of the said Board and upon consideration of the evidence adduced by the Applicant, the reading of the said lease to Maurice L. Smith, Emmanuel W. Near and George S. Mann, and what was alleged by Counsel:

It is ordered under and in pursuance of subsection (6) of section 12 of "The Public Parks Act," that said By-law No. 11 of "The Board of Park Management of the City of Hamilton" passed on the 1st day of October, 1928, and the said lease or license of such lands from "The Board of Park Management of the City of Hamilton" to Maurice E. Smith, Emmanuel W. Near and George S. Mann, dated the 8th day of August, 1928, attached as "Schedule 'A' " to said By-law No. 11, be and the same are hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

PROCEDURE FILE A-1955

Between:

F. H. Crosthwaite,

Appellant,

—and—

The Corporation of the City of Hamilton,

Respondent.

(Assessment Appeal)

Oct. 25th. Notice of appeal filed.
Nov. 29th. Hearing, pursuant to appointment, 10.30 a.m. to 1 p.m., Council Chamber, City of Hamilton. Appeal dismissed.
Dec. 7th. Approved draft Order filed.
Dec. 8th. Order issued.

29th November, 1928.

ORDER

Upon the appeal of the said Frank H. Crosthwaite to this Board against his assessments in Ward 1 of the City of Hamilton aforesaid, and upon hearing the evidence adduced and what was alleged by the Appellant and his Counsel and by Counsel for the Corporation of the City of Hamilton:

This Board doth order that the above appeal be and the same is hereby dismissed.

And this Board doth further order that there shall be no costs to any party to this appeal.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

PROCEDURE FILE A-1957

Application by The Centre Road Telephone Company, Limited, under section 103 of "The Telephone Act," for authority to increase charges for service from $12.00 to $16.00 per annum.

Oct. 25th. Application filed.

Nov. 14th. Hearing, pursuant to appointment, 1.15 to 2.15 p.m., Court House, Owen Sound. (Chairman authorized under section 8, chapter 225, R.S.O.)

Nov. 22nd. Report of Chairman filed and adopted. Application granted.

Nov. 22nd. Order.

REPORT OF CHAIRMAN

The undersigned, having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

Toronto, November 22nd, 1928.

(Sgd.) A. B. INGRAM,
Vice-Chairman.

November 22nd, 1928.

ORDER

Upon the application of the above-named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements, and other material filed:

The Board orders that the Applicant, The Centre Road Telephone Company, Limited, be authorized to charge the following rates for telephone service, to take effect as from September 1st, 1928:

To shareholders.....$16.00 per annum.

To non-shareholders.....$18.00 per annum.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-1959

In the matter of the application of the Town of Fort Frances, under section 90 of "The Telephone Act," for the improvement of long distance telephone service between the Towns of Fort Frances and Rainy River.

Oct. 26th. Application and material filed.

Nov. 6th. Hearing, pursuant to appointment, 3 to 5 p.m., Court House, Fort Frances. Through switches to be installed at intermediate points.

PROCEDURE FILE A-1960

In the matter of the application of the Municipality of Chapple, for a revision of the terms and conditions governing interchange of service between the telephone systems of the Municipalities of Fort Frances, LaVallee, Emo, Chapple, Morley and Rainy River, under section 97 of "The Telephone Act."

Oct. 26th. Application and material filed.

Nov. 6th. Hearing, pursuant to appointment, 3 to 5 p.m., Court House, Fort Frances. Each system to retain charge on all calls originating on its system. Agreement drafted and signed.

Dec. 27th. Order, approving agreement, issued.

December 27th, 1928.

ORDER

Upon the application of the above-named Applicant, and upon hearing the evidence adduced on behalf of the Applicant and other parties interested, and upon hearing Counsel for the Applicant, and upon reading Memorandum of Agreement dated the 26th day of November, A.D. 1928:

Between:

The Municipal Corporation of the Town of Fort Frances, and
The Commissioners for the Telephone System of the Municipality of La Vallee, and
The Commissioners for the Telephone System of the Municipality of Emo, and
The Commissioners for the Telephone System of the Municipality of Chapple, and
The Commissioners for the Telephone System of the Municipality of Morley, and
The Municipality of the Town of Rainy River, and other material filed:

The Board orders that the said agreement be and the same is hereby approved, under and in pursuance of section 97 of "The Telephone Act" (R.S.O. 1927, c. 227), provided that the Board may at any time hereafter, of its own motion, or upon any application or complaint, rescind this Order and withdraw its approval of the above-mentioned agreement, and require the same to be altered, amended, varied or otherwise changed or modified, as to the said Board may seem requisite or proper.

And the Board makes no order for costs, save and except that the parties to the hereinbefore mentioned agreement shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1964 (SEE A-1102)

Application by The Toronto Transportation Commission, under sections 256 and 257 of "The Railway Act," for approval of the operation of one-man car on any one-man route of its railway. (Drawing No. H-2638.)

Oct. 27th. Application filed.

Oct. 27th. Order.

27th October, 1928.

ORDER

Upon the application of The Toronto Transportation Commission for the approval by the Board of the operation of one-man cars of the type as shown upon Plan or Drawing No. H-2638, filed with the said Board, and accompanying the said application, and for the approval by the Board of the operation of one-man cars on certain routes of its railway:

And upon reading the material filed by the Commission in support of the said application:

The Board doth order and adjudge that cars of the type as shown upon Plan or Drawing No. H-2368, filed by the Applicant with the Board, be approved as suitable for one-man operation upon any route or routes heretofore approved or that may be approved hereafter by the Board.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-1965

Application by the Board of Park Management of the City of Fort William, under subsection (6) of section 12 of "The Public Parks Act," for approval of its By-law No. 4, setting aside part of "McKellar Park" for athletic purposes, etc.

Oct. 27th. Application and material filed.

Nov. 7th. Hearing, pursuant to appointment, 10 a.m.; 11 to 11.30 a.m., Council Chamber, Fort William. Application granted.

Nov. 13th. Order issued.

7th November, 1928.

Order

Upon the application of the said Board of Park Management, and upon reading the copy of the said By-law and the other material filed, and the Board, pursuant to appointment, having heard this application at the Council Chamber, in the City of Fort William, in the presence of the Chairman, Secretary and Commissioner of the said Board of Park Management, and no one appearing in opposition to the said application:

The Board orders, under and in pursuance of the provisions of subsection (6) of section 12 of "The Public Parks Act," that the said By-law No. 4 of "The Board of Park Management of the City of Fort William, intituled 'By-law No. 4, The Board of Park Management of the City of Fort William, a By-law to authorize the setting apart of a portion of McKellar Park for athletic purposes or for the purposes of sport exhibitions or other lawful amusements or entertainments into which an entrance fee may be charged,' " be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-1966 (P. 565)

Application by The Toronto Transportation Commission, under section 250 of "The Railway Act," for approval of plan, etc., of 18th Street Loop, in New Toronto (Mimico Division) (Drawing No. S-6-903), also special track work.

Oct. 29th. Application and blueprint (4) filed.

Nov. 2nd. Hearing, pursuant to appointment, 11 to 11.15 a.m., at Board's Chambers. Hearing concluded. Judgment reserved.

Nov. 6th. Verbal Judgment, granting application, delivered.

Nov. 9th. Approved draft Order filed.

Nov. 15th. Order issued.

6th November, 1928.

ORDER

Upon the application of The Toronto Transportation Commission made on the 2nd day of November, 1928, and upon hearing read the declaration of E. F. Sefton filed, and upon hearing what was alleged by Counsel for the Town of New Toronto, the Chief Engineer of the Toronto and York Roads Commission, certain interested ratepayers, and by Counsel for the Applicant, and Judgment upon the application having been reserved until this day:

This Board doth order that Drawing of the Applicant No. S-6-903, showing special track work on Lake Shore Road at 18th Street and loop at 18th Street, in the Town of New Toronto, be and it is hereby approved by the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-1968

Application by the Township of Mulmur, under section 469 (9) of "The Municipal Act," for relief from its obligation to rebuild a bridge over the Pine River, opposite Lot 15 on the road allowance between Lots 7 and 8, east of Hurontario Street, in the said Township.

Oct. 31st. Application and material filed.

Nov. 20th. Hearing, pursuant to appointment, 11 a.m. to 12 md., Court House, Orangeville. Adjourned to 6th December, at 10.30 a.m.

Dec. 6th. Settled by mutual agreement between interested parties.

PROCEDURE FILE A-1969

Application by the Township of North York, under section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 679 (as amended by its By-law No. 680), restricting the area bounded on the north by Harley Street and Hartford Road, on the east by Mason Avenue, on the south by the City of Toronto, and on the west by Lochiel Street, to private dwellings.

Nov. 2nd. Application and copy of each By-law filed.

Dec. 27th. Hearing, pursuant to appointment, 11 a.m. to 1.15 p.m., at the Board's Chambers. Hearing adjourned to Monday, the 28th January, 1929, at 11 a.m.

PROCEDURE FILE A-1972

Between:

William Hewitt,

Applicant,

—and—

The Commissioners for the Telephone System of the Municipality of Shuniah,

Respondent.

(Application under section 45 of "The Telephone Act" to determine the validity of a special rate levied on property of the Applicant in the said Municipality.)

Nov. 2nd. Application and material filed.

Nov. 7th. Hearing, pursuant to appointment, 11 a.m. to 12 md., Council Chamber, Fort William. Application refused. (No Order to be issued unless on request of either party.)

PROCEDURE FILE A-1990

Between:

The Bolton Telephone Company, Limited,

Appellant,

—and—

The Corporation of the Township of Albion,

Respondent.

(Assessment Appeal)

Nov. 17th. Notice of appeal filed.

Dec. 18th. Hearing, pursuant to appointment, 10.30 to 11.30 a.m., at the Board's Chambers. Appeal withdrawn.

PROCEDURE FILE A-1991

Between:

The Municipal Corporation of the Township of East York,

Applicant,

—and—

The Municipal Corporation of the City of Toronto,

Respondent.

(Application under section 5 of "The Housing Adjustment Act, 1927," for adjustment of Claim for $435.47 deducted by the Respondent for repairs to No. 28 Newmarket Avenue.)

Nov. 19th. Application filed.

Nov. 19th. Reply directed within ten days.

Nov. 29th. Reply filed.

Dec. 20th. Hearing, pursuant to appointment, 11 a.m. to 12.10 p.m., at Board's Chambers. Application granted. Order to be drafted by Applicant's Solicitor. No party costs.

PROCEDURE FILE A-1996

In the matter of the petition of J. B. Kerr and others, under section 8 of "The Local Improvement Act," against the extension of Guise Street, from its westerly terminus along the Bay Shore to Simcoe Street (Part Lot 16, Con. I, Township of Barton), now in City of Hamilton, as a local improvement.

Nov. 22nd. Petition filed.

Nov. 26th. Further petition filed.

Nov. 28th. Certificate of City Clerk, that petition sufficient, filed.

Dec. 19th. Hearing, pursuant to appointment, 10.30 to 11.50 a.m., Council Chamber, Hamilton. Application dismissed.

Procedure File A-1998

Application by The Manilla Union Telephone Company, Limited, under section 103 of "The Telephone Act," for approval of its charges for service.

Nov. 23rd. Application filed.

Dec. 17th. Hearing, pursuant to appointment, 3 to 4.30 p.m., Town Hall, Manilla. (Chairman authorized under section 8, chapter 225, R.S.O.)

Dec. 19th. Report of Chairman, recommending granting of application, filed and adopted.

Dec. 19th. Order.

Report of Chairman

In the matter of the application of The Manilla Union Telephone Company, Limited, for the approval of the following charges for service:

To shareholders.....$15.00 per annum.
To non-shareholders.....$18.00 per annum.

The foregoing charges to be due and payable in advance and to be subject to a discount at the rate of $3.00 per annum on all amounts paid within thirty days from the date upon which any such charge falls due.

The undersigned having heard the evidence of all parties relative to this application recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKeown,
Chairman.

Toronto, December 19th, 1928.

Adopted as the basis of the Board's Order.

(Sgd.) A. B. Ingram,
Vice-Chairman.

December 19th, 1928.

Order

Upon the application of the above-named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who pursuant to appointment heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements and other material filed:

The Board orders that the Applicant, The Manilla Union Telephone Company, Limited, be authorized to charge the following rates for telephone service:

To shareholders.....$15.00 per annum.
To non-shareholders.....$18.00 per annum.

The foregoing charges to be due and payable in advance and to be subject to a discount at the rate of $3.00 per annum on all amounts paid within thirty days from the date upon which any such charge falls due.

And the Board makes no order for costs, save and except that the Applicant shall pay $10.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-2001

Application by City of Toronto, under section 398 (2*b*) of "The Municipal Act," for approval of its By-law No. 11877, repealing its restricted area By-law No. 8815 in so far as it prevents the use of 100 Roxborough Street West, by Dr. W. H. Carveth, for the conduct of his medical practice.

Nov. 28th. Application and material filed.

Dec. 27th. Hearing, pursuant to appointment, 10.30 to 10.50 a.m., at the Board's Chambers. By-law to be amended as suggested by Mr. Mason, no one then opposing.

Procedure File A-2005

In the matter of section 60 of "The Railway and Municipal Board Act," and in the matter of an arbitration between the Employees of The London Street Railway Company and The London Street Railway *re* Wages.

Oct. 12th. Application filed.

Oct. 16th. Conference of Board at London, 11.30 a.m. to 1.50 p.m.

Oct. 16th. Sitting of the Board at London, 11.30 a.m. to 1.10 p.m. Adjourned to Board's Chambers, Toronto, at 2 p.m., December 18th, 1928.

Dec. 18th. Conference continued, pursuant to adjournment, 2 to 3 p.m., at Board's Chambers. Judgment reserved.

Dec. 29th. Award and Reasons therefor issued.

Award

To all to whom these presents shall come, greeting:

Whereas a certain dispute has arisen between The London Street Railway Company and certain of its employees as to the amount of wages properly payable by the said Company to the said Employees;

And whereas it was agreed that all matters in dispute should be referred to The Ontario Railway and Municipal Board for arbitration in connection therewith;

Now the said The Ontario Railway and Municipal Board, having taken upon itself the burden of said arbitration, and after hearing the evidence adduced, and what was alleged by Counsel for the said Company and for the Employees respectively:

(1) The Board finds, awards and directs that the regular wages payable to the Employees of the said Company interested in this application shall be increased by two cents an hour over and above the regular schedule of wages now payable by the Company to the said Employees.

(2) That the overtime wages and that the Sunday wages shall remain as at present.

(3) That the bus operators shall be paid at the rate of fifty-five cents an hour, and that the increase of two cents per hour above referred to shall apply to all other employees joining in this application, including motormen, conductors, barnmen, linemen and trackmen.

(4) It is further ordered that the said increase shall date from and become effective as of the 1st of December, 1928.

In witness whereof the Chairman, the Vice-Chairman and the Commissioner of the said The Ontario Railway and Municipal Board, being the members hereof, have hereto set their hands and caused to be affixed the seal of the said Board this 29th day of December, A.D. 1928, at the City of Toronto, in the Province of Ontario.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Seal)

(Sgd.) J. A. Ellis.
Commissioner.

Reasons for Award

Certain Employees of The London Street Railway Company having made a request upon the said Company for an increased wage, which request was refused, the said Employees met in the City of London and passed a resolution calling upon the said Employees to go on strike, which resolution was communicated to The Ontario Railway and Municipal Board, and the Board in accordance with its duties under the Statute went to London and had a conference with the representatives of the Employees and with the representatives of the Company jointly.

No settlement having been arrived at as to wages it was agreed that the whole matter in dispute should be submitted to The Ontario Railway and Municipal Board as arbitrators.

Accordingly on Tuesday, the 16th day of October, 1928, the said Board held a session at London when Mr. John M. Parker, as representing the employees made to the said Board certain representations as to the increased cost of living, and as to the comparative wages being paid by The London Street Railway Company, and by street railway companies in other places of almost similar size throughout Canada and the United States.

The hearing was therefore adjourned until a date to be fixed, and the Board on Tuesday, the 27th day of November held another session in the City of London when the case for the Employees was fully presented by John M. Parker, and a brief setting forth the increased cost of living and the comparative wages paid by different companies was by the said John M. Parker filed with the Board.

The Company then requested an adjournment to enable it to answer the arguments brought forward on behalf of the men, and on Tuesday, the 18th of December, another session was held in the Board's Chambers at Toronto, when Mr. R. G. Ivey as representing the Company filed with the Board a statement and statistics setting forth not only the wages paid to the men during different years, but endeavouring to show the inability of the Company to pay any higher wage from the revenue now being received, and after hearing argument on behalf of all parties interested the Board saw fit to reserve its Judgment.

Having taken into consideration the arguments presented by all parties, and having very closely examined the briefs filed, this Board is of the opinion that the men should receive an increased wage, and its only concern is as to the present ability of the Company to pay such increase.

From the figures filed with the Board it would appear that the shareholders of the said Company have not received any dividend upon the money invested

for some years, and any appreciable increase in the cost of running the railway would render its operation, otherwise than at a loss, almost impossible unless some means can be secured whereby an increased revenue may be received.

All this has been taken into consideration by the Board, and yet the Board is of the opinion that the men are giving to the Company work for which they should get a fair and reasonable wage, and if the revenue of the Company will not warrant the increased pay it is hardly the duty of the Board to ask the men, unless they are themselves willing to make the offer, to work for the Company for less than their proper pay, even although such demand on the part of the men might mean a deficit to the Company and no return to its shareholders.

We have therefore come to the conclusion that to be fair with the men we should direct, as we hereby do direct, that the regular rates now payable to the Employees of the said London Street Railway Company shall be increased by two cents an hour, and that the overtime rates and the Sunday rates shall remain the same as at present.

This would mean that the regular rates payable to motormen and conductors on two-men cars, instead of as at present being forty-four, forty-six and forty-eight cents per hour, according to standing shall be forty-six, forty-eight and fifty cents per hour, and on one-man cars a corresponding increase shall be made so that the maximum to the operators of the one-man cars shall be fifty-five cents an hour.

If we have any jurisdiction over the bus operators we will make the maximum for the bus operators fifty-five cents an hour, the same as that of the operators on the one-man car. The wage to the barnmen, linemen and trackmen shall also be increased by two cents an hour over the wage now being paid to these employees, the same increase to apply to all Employees of the Company who have joined in the request for the increase above mentioned, and who may not be covered by the terms "motormen," "conductors," "barnmen," "linemen" and "trackmen."

It was agreed by all parties at the time of the submission of this matter to the Board for arbitration that the decision of the Board should read as from the 1st of December, 1928, and we make this Order accordingly.

Dated at Toronto,
the 29th day of December, A.D. 1928.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

ANALYTICAL CLASSIFIED INDEX OF APPLICATIONS TO THE BOARD

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Canada Cement Co., Ltd.—Approval track connection between Niagara, St. Catharines and Toronto Railway and Niagara Peninsular Railway Co., at Port Colborne	A-1684	
Canadian Freight Classification—Approval Supplement No. 4 to Classification No. 17	4170	
Canada Cement Co., Ltd.—Approval plans, dated February 3rd, 1908, and February 17th, 1928, covering tracks and electrification of "The Thurlow Railway"	A-1760	553
Cornwall Street Railway, &c., Co.—Partial discharge of mortgage to H. W. K. Hale	A-2002	
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Hamilton Street Railway Co. vs. City of Hamilton—Increased fares	A-1712	
Hamilton, City of; Hamilton Street Railway Co. vs.—Increased fares	A-1712	
Hamilton Street Railway Co.—Approval rehabilitation of 10 older equipped cars for one-man two-men operation	A-1973	
Hamilton, City of—Approval extension of Balmoral Avenue across the tracks of the Hamilton, Grimsby & Beamsville Electric Railway	A-1995	
Hale, H. W. K.—Partial discharge of Cornwall Street Railway Co. mortgage.	A-2002	
International Railway Co.—Approval by-law dated March 10th, 1928, authorizing M. L. Campbell and J. E. Wilmot to prepare and issue, respectively, tariffs of tolls	A-1654	
International Railway Co.—Approval design and operation of one-man car on Bridge Street Line—over Falls View Bridge—from Niagara Falls, Ontario, to Niagara Falls, New York	A-1841	
London, City of—Approval plan, etc., Dundas Street bridge	A-1523	547
London Street Railway—Approval operation of single truck safety one-man car	A-1540	
"Lambton Mills Bridge"—Approval plans, etc., of	A-1680	551
London Street Railway Co.—Arbitration re employees' wages	A-2005	
Midland Simcoe Railway Co.—Approval general plan, etc., of proposed railway in Township of Tay, County of Simcoe (Lot 111 to Lot 107)	A-1593	549
Midland Simcoe Railway Co.—Approval plan showing location of freight shed, etc., Town of Midland	A-2032	569
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Toronto & York Roads Commission—Approval plan, etc., "Lambton Mills Bridge" between Townships of York and Etobicoke	A-1680	551
Thurlow Railway—Approval plans dated February 3rd, 1908, and February 17th, 1928, covering tracks and electrification of (application by Canada Cement Co., Ltd.)	A-1760	553
Toronto Transportation Commission:—		
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Approval of rehabilitation of Yonge Street tracks—Price Street to Woodlawn Avenue	A-1640	550
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	Procedure File	Plan
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Approval of operation of cars at greater speed than 15 miles per hour	A-1731	
Approval of plan of loop, Lake Shore Road and Parkside Drive	A-1764	554
Approval of plan of St. Clair Avenue Extension—Weston Road to Prescott Avenue	A-1845a	
Approval of plan of special track work—St. Clair Avenue and Weston Road	A-1845b	
Approval of plan of special track work, St. Clair Avenue—loop at Prescott Avenue	A-1845c	
Approval of plan of Domestic Storage & Forwarding Co. siding at Aurora	A-1856	
Approval of plan of removal of tracks on Eastern Avenue 21 feet north (Russell Car House)	A-1857	
Approval of plan of tracks, Kingston Road, from Victoria Park Avenue to Birchmount Road, and loop on Birchmount Road	A-1892	558
Approval of plan, etc., of tracks on Lake Shore Road	A-1897	
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Approval of plan of Etobicoke Trestle, Mimico Division	A-1952	
Approval of plan of one-man car (Type 211 and 213) for use on any line	A-1953	
Approval of operation of one-man car on Lake Shore Road Line	A-1954	
Approval of operation of one-man car on any one-man route	A-1964	
Approval of plan of loop at 18th Street, New Toronto (Mimico Division)	A-1966	565
Approval of plan of proposed turnout, Lake Shore Road—Port Credit Division—Station 58—08	A-1975	
Approval of plan of proposed turnout, Lake Shore Road—Port Credit Division—Station 90—45	A-1976	
Approval of plan of proposed turnout, Lake Shore Road—Port Credit Division—Station 122—86	A-1977	
Approval of plan of track chainage, Lake Shore Road, from Etobicoke to Port Credit	A-1978	
Approval of plan special track work, Lake Shore Road, at Humber Bridge	A-1983	566
Approval of plan special track work and loop, Mutual Street, north of Queen Street	A-2031	
Wentworth Incline Railway—Approval By-law No. 24, authorizing Geo. F. Webb (President) to prepare and issue tariff of tolls	A-2006	
Wentworth Incline Railway—Approval tariff of tolls	A-2007	

MORTGAGES AND DISCHARGES OF MORTGAGES

(Section 47, Chapter 225, R.S.O. (1927).

Cornwall Street Railway, Light & Power Co.—Partial discharge of mortgage to H. W. K. Hale	A-2002

APPLICATIONS TO THE BOARD FOR VALIDATION OF BY-LAWS UNDER SECTION 304 OF "THE MUNICIPAL ACT"

(NOTE.—Abbreviation "I.C." means Irregularities cured; Abbreviation "I" means Irregularities not cured.)

Municipality	By-law No.	Purpose	Amount	Procedure File
Brockville, Town of	B. 1576	Local Improvements—Sidewalks	$4,891 88	A-1554
Brantford, City of	2088	Waterworks Extensions and Improvements	80,000 00	A-1558
Belleville, City of	2792 (amended)	Collegiate Institute and Vocational School	550,294 84 (I.C.)	A-1636
Bosanquet, Township of	1157	Aux Sable River Drainage Scheme	12,889 34 (I.C.)	A-1716
Bridgeburg, Town of	592	Sanitary Sewer	15,300 00 (I.C.)	A-2024
Chippawa, Village of	534	Local Improvements—Sewers	57,439 06 (I.C.)	A-1695
Cobourg, Town of	1393	Public School Purposes	18,000 00	A-1828
Dunnville, Town of	21 (1927)	Local Improvements—Pavements	66,563 50 (I.C.)	A-1508
Dutton, Village of	398	High School Purposes	57,000 00 (I.C.)	A-1588
Dundas, Town of	1017	High School Purposes	110,000 00 (I.C.)	A-2021
Dundas, Town of	1018	Public School Purposes	25,000 00 (I.C.)	A-2022
Dundas, Town of	1020	Local Improvements—Sewers	13,000 00 (I)	A-2023
Etobicoke, Township of	3116	High School Purposes	110,000 00 (I.C.)	A-1502
Etobicoke, Township of	3159 (Con.)	Local Improvements—Pavements and Sidewalks	22,240 00	A-1553
Etobicoke, Township of	3181	Widening south side of Lake Shore Road	38,385 00 (I.C.)	A-1603
East York, Township of	1312	Local Improvements—Sewers	3,348 96 (I.C.)	A-1740
East York, Township of	1311	Local Improvement—Watermain	9,563.99 (I.C.)	A-1741
Etobicoke, Township of	3212 (Con.)	Local Improvements—Watermain and Sewers	17,225 00	A-1747
Elora, Village of	750	Fire Engine	5,300 00	A-1974
Fort William, City of	2809 (Con.)	Sewers	59,574 85	A-1693
Forest Hill, Village of	284	Extension of Kilbarey Road and Whitmore Avenue	27,573 85 (I.C.)	A-1786
Forest Hill, Village of	269	Local Improvements—Pavements	241,000 00 (I.C.)	A-1795
Forest Hill, Village of	286	Local Improvements—Sewers	313,004 20 (I.C.)	A-1796
Flos, Township of	1013	Local Improvements—Waterworks	33,700 00	A-1824
Fort William, City of	2894	"Park Fund Debentures"—(McKellar Park)	17,000 00	A-1922
Huron, County of	12 (1928)	Road Construction	100,000 00 (I).	A-1790
Kapuskasing, Town of	153 (amended)	Local Improvements—Watermains and Sewers	11,000 00 (I.C.)	A-1525
Kitchener, City of	2013	Local Improvement—Sewer	24,490 06	A-1734
Kincardine, Town of	966 (amended)	Local Improvement—Combined Sewer	22,000 00 (I.C.)	A-1780
Leamington, Town of	1255	Drainage Purposes	63,339 00 (I).	A-1704
Leamington, Town of	1281 (Con.)	Local Improvements—Pavements	69,044 14 (I.C.)	A-1717
Lennox and Addington, County of	510	Current Expenditures Unprovided for	20,000 00 (I.)	A-2009
Midland, Town of	1194	Local Improvements—Pavements	159,000 00	A-1517
Midland, Town of	1201	Waterworks Purposes	66,500 00	A-1709
Midland, Town of	1202	Waterworks Purposes	18,000 00	A-1710
Midland, Town of	1206	Local Improvements—Pavements	159,000 00	A-1517b
Matheson, Town of	230	Public School Purposes	3,000 00	A-1830

APPLICATIONS TO THE BOARD FOR VALIDATION OF BY-LAWS UNDER SECTION 304 OF "THE MUNICIPAL ACT"
—Continued

(NOTE.—Abbreviation "I.C." means Irregularities Cured; Abbreviation "I" means Irregularities Not Cured.)

Municipality	By-law No.	Purpose	Amount	Procedure File
McGillivray, Township of	9 (1927)	Drainage Work	30,873 08	A-1606
North York, Township of	547	Opening of Certain Streets as Local Improvements	3,113 00 (I.C.)	A-1608
North Bay, City of	858	Local Improvements—Sewers	44,896 35 (I.C.)	A-1616
North Bay, City of	859	Local Improvements—Sidewalks	23,133 52 (I.C.)	A-1617
North Bay, City of	860	Park Purposes	15,000 00 (I.C.)	A-1618
North York, Township of	561 (Con.)	Local Improvements—Watermains	30,960 00	A-1642
Napanee, Town of	1281	Local Improvements—Pavements	87,850 00 (I.C.)	A-1708
North York, Township of	601 (Con.)	Local Improvements—Watermains	25,657 38	A-1689
Niagara Falls, City of	1600	Swimming Pool and Playground	25,000 00 (I.C.)	A-1918
Oshawa, City of	1851	Public School Purposes	40,000 00 (I.C.)	A-1638
Oshawa, City of	1854	Local Improvements—Pavements and Sewers	217,097 86	A-1659
Oshawa, City of	1855	Local Improvements—Sidewalks	13,171 02	A-1660
Ottawa, City of	6441	Local Improvements—Drains	4,693 60 (I.C.)	A-1756
Osgoode, Township of	4 (1928)	Maintenance and Improvement of Silver Creek and Castor Drain	29,006 00	A-1801
Pembroke, Town of	1286	War Memorial	8,000 00	A-1624
Port Colborne, Town of	17 (1928)	Public School	33,000 00 (I.C.)	A-1743
Plympton, Township of	10 (1926)	Public School Purposes in Union, S.S. No. 4, Plympton and 25, Enniskillen	4,000 00 (I.C.)	A-1766
Parry Sound, Town of	649	Local Improvements—Sewers and Pavements	61,357 78 (I.C.)	A-2042
Renfrew, Town of	1180	Victoria Hospital and Nurses' Home	100,000 00	A-1496
Renfrew, County of	1105	Portion of Cost of County Highways for 1927	30,000 00	A-1573
Stayner, Town of	659	Local Improvement—Pavement	18,750 00 (I.C.)	A-1537
Strathroy, Town of	154 (amended)	Town Hall	40,000 00 (I.C.)	A-1556
Simcoe, Town of	842	Public School Purposes	42,500 00 (I.C.)	A-1729
Smith's Falls, Town of	1869 (Con.)	Pavements	56,961 00 (I.C.)	A-1745
Sandwich West, Township of	747	Local Improvement—Watermain	9,713 83 (I.C.)	A-1797
Sandwich West, Township of	746	Pavement and Widening of Tecumseh Road, as a Local Improvement	73,046 48 (I.C.)	A-1802
Sandwich East, Township of	1173	Opening of Arthur Road, from Tecumseh Road to Grand Marais Road, as Local Improvement	8,050 00 (I.C.)	A-1806
Sandwich, Town of	1711	Widening and Extension of Herbert and Vine Streets as Local Improvement	45,241 90	A-1817
Sandwich, Town of	1704	Local Improvement—Storm Sewer	61,927 35	A-1818
Swansea, Village of	47	Storm Sewer	20,000 00 (I.C.)	A-1902
Shelburne, Village of	494	Local Improvement—Pavements	69,098.80	A-1993
Tecumseh, Town of	244	Town Hall, etc	7,500 00 (I.C.)	A-1696
Timmins, Town of	375	Local Improvements—Sidewalks	11,500 00 (I.C.)	A-1808

Timmins, Town of	377	Waterworks Extensions, etc	12,500	00 (I.C.)	A-1809
Windsor, City of	3822	Local Improvements—Pavement	61,207	61 (I.C.)	A-1521
Windsor, City of	3825	Local Improvements—Sewers	88,319	13 (I.C.)	A-1522
Woodbridge, Village of	527	Septic Tank, etc	3,200	00 (I.C.)	A-1489a
Welland, City of	524	High School Purposes	25,000	00	A-1607a
Walkerville, Town of	1232	Local Improvements—Road Improvements	18,454	00 (I.C.)	A-1701
Walkerville, Town of	1233	Local Improvements—Pavement, etc	22,816	18 (I.C.)	A-1722
Welland, City of	574	Local Improvements—Pavement	55,628	27 (I.C.)	A-1859
York, Township of	9528 (Con.)	Local Improvements—Sidewalks, Street Extensions, etc.	446,893	51 (I.C.)	A-1730
York, Township of	9908 (Con.)	Local Improvements—Street Widening and Sewers	77,940	85 (I.)	A-2025

LIST OF BY-LAWS APPROVED BY THE BOARD UNDER SUBSECTION 2 OF SECTION 399 OF "THE MUNICIPAL ACT"

Municipality	By-law No.	Purpose	Amount	Procedure File
Bradford, Village of	533	Extension of Hydro-Electric System	$6,000 00	A-1507
Blenheim, Town of	652	Installation and Construction of Waterworks System	12,000 00	A-1750
Brantford, City of	2139	Extensions to Hydro-Electric System	50,000 00	A-2033
Fort Frances, Town of	905	Electric Substation	12,000 00	A-1641
Ford City, Town of	821	Extensions to Hydro-Electric System	35,000 00	A-1661
Fort Frances, Town of	925	Extensions to Waterworks System	6,500 00	A-1896
Fort Frances, Town of	940	Electric Sub-station	12,000 00	A-2008
Georgetown, Town of	51a	Completion of and Extensions to Waterworks System	23,500 00	A-1590
Hamilton, City of	3578	Waterworks Extensions	43,405 00	A-1609
Harriston, Town of	612	Extensions to Hydro-Electric Plant	7,500 00	A-1728
North York, Township of	617	Extensions to Hydro-Electric System	100,000 00	A-1950
Peterborough, City of	2763	Waterworks Extensions	5,600 00	A-1619
Port Credit, Village of	231	Electric Light Extensions	6,000 00	A-1733
Palmerston, Town of	632	Waterworks Extensions	14,000 00	A-1753
Palmerston, Town of	641	Sewage Disposal Plant	27,000 00	A-2011
Smith's Falls, Town of	1877	Completion and Extension of Sewer System	2,799 87	A-1605
Tecumseh, Town of	279	Waterworks Extensions	29,940 00	A-1765
Toronto, City of	11684	Waterworks Extensions, etc	22,000 00	A-1804
Toronto, City of	11773	Waterworks Extensions	34,000 00	A-1816
Toronto, City of	11936	Extensions to Hydro-Electric System	1,046,000 00	A-2038
Weston, Town of	463	Extensions to Hydro-Electric System	25,000 00	A-1539
Windsor, City of	3887	Extensions to Hydro-Electric System	300,000 00	A-1948

MISCELLANEOUS MATTERS

ANNEXATIONS

		Procedure File
Fort Erie, Village of	Annexation to of part Township of Bertie and erection of same into a Town	A-1692
Hamilton, City of	Amendment to Board's Order dated 18th March, 1920 (Annexation to Hamilton of part Township of Barton—McKittrick Properties, Ltd.)	A-1699
Hamilton, City of	Amendment to Board's Order dated 11th March, 1924 (Annexation to Hamilton of part Township Barton—Petition J. A. Millen, et al)	A-1700
Iroquois Falls, Town of	Annexation to of part unorganized Township of Teefy (Mill site of Abitibi Power & Paper Co., Ltd.)	A-1707
Hamilton, City of	Amendment to Board's Order dated 26th January, 1914 (Annexation to Hamilton of part Townships Barton and Ancaster)	A-1720
Sioux Lookout, Town of	Annexation to of part adjoining unorganized Township, being Block 10, Reg. Plan M-218, Parcel 9746, District of Kenora	A-1781
Rainy River, Town of	Annexation to of part Township of Atwood	A-1782
Hamilton, City of	Annexation to of part Township Barton—Petition Mrs. Geo. Reid, et al	A-1810
Timmins, Town of	Annexation to of part Township Tisdale—Petition A. H. Burrows, et al	A-1843
Timmins, Town of	Annexation to of part Township Tisdale—Petition J. Ostrowski, et al	A-1849
Billings, Township of	Annexation to of part (unorganized) Township of Allan—Petition John Kerr, et al	A-1858
Hamilton, City of	Annexation to of part Township of Barton—Chedoke Golf Club Lands	A-1863
Hamilton, City of	Annexation to of part Township Barton (West End Area on the Mountain)—Petition Thos. H. Histed, et al	A-1911

ARBITRATIONS

(Including References by the Minister of Department of Public Highways)

Hay, W. G	Compensation for removal of building by Ontario Department of Public Highways, on east part of Lot 393, Plan 1043, northwest side of Lake Shore Road, in the Town of New Toronto (p. 548)	A-1536
Benson & Patterson	Compensation for certain lands expropriated, being parts Lots 16 and 25, Plan A-2413, Township of Stamford, and removal of sand and gravel therefrom, etc., by Ontario Department of Public Highways	A-1630
Hastings, County of, vs. Town of Trenton	Maintenance of portion of Boundary Road between Town of Trenton and Township of Sidney (p. 556)	A-1727
Kingston, City of, vs. Ontario Department of Public Highways	expenditure re certain highways since 1920	A-1842

(Under Section 77a of "The Highway Improvement Act," as enacted by Section 6, Chapter 18, Ontario Statutes, 1928—Damages or compensation in respect of land affected, etc.).

Barker, Geo. W., et al	Re part Lot 13, Con. I, Township Pickering	A-1681
Schier, Jacob	Re Lots 740, 741 and 742, Plan 8, Village of Humberstone, expropriation of	A-1742
Cardinal, H	Lots 28 and 29, Con. I, O.S., Township of Cumberland, County Russell—Construction of Culvert	A-1773
Fraser, Norris E	Property on north side of Provincial Highway, immediately west of the Village of Welcome, Township of Hope	A-2010

ASSESSMENT APPEALS

Canadian National Railway vs. Minister of Lands and Forests of Ontario—(Land)	(Withdrawn)	A-1497
Hollinger Consolidated Gold Mines, Ltd., vs. Township of Tisdale (Land, Buildings and Equipment)	$105,580 00	A-1510
Maisonville, H. C., vs. Ford Motor Co. of Canada, Ltd.—(Land)	1,207,842 00	A-1559
Ford Motor Co. of Canada, Ltd., vs. Town of Ford City and H. C. Maisonville—(Buildings)	3,087,648 00	A-1560
Crosthwaite, F. H., vs. City of Hamilton—Readjustment of assessment on which water rates are charged	54,000 00	A-1723
Maisonville, H. C., vs. Town of Ford City and Ford Motor Co. of Canada	(Withdrawn)	A-1827
Crosthwaite, F. H., vs. City of Hamilton—Readjustment of assessment on which water rates are charged	57,130 00	A-1955
Skene, A., vs. City of Toronto—(Property)	34,801 00	A-2030
Thompson, Wm., vs. City of Toronto, and Toronto, City of, vs. Wm. Thompson (Cross-Appeal)—(Property)	53,800 00	A-2035
	$4,566,001 00	

"THE BEACHES AND RIVER BEDS ACT"

(Chapter 299, R.S.O. 1927)

BILLS (FINANCIAL)

(Rule 61a of the House)

		Procedure File
Tisdale, Township of	Bill No. 3, 1928	A-1551
St. Thomas, City of	Bill No. 14, 1928	A-1552
Perth, Town of	Bill No. 41, 1928	A-1587
North Bay, City of	Bill No. 48, 1928	A-1589

BILLS REFERRED TO BOARD UNDER SECTION 55, CHAPTER 225, R.S.O. 1927

BRIDGES

(By-laws approved under Section 297 (2) (e), Chapter 233, R.S.O. 1927)

BRIDGES

(Relief from Rebuilding—Section 469 (9), Chapter 233, R.S.O. 1927)

Nepean, Township of	Bridge on "Caldwell's Sideroad," between Lots 23 and 24, Con. VI, Rideau Front	A-1751
Peel, County of	"Eldorado Park" Bridge, over Credit River, on road allowance between 3rd and 4th Concessions, Township Chinguacousy (opposite Lot 1)	A-1789
Mulmur, Township of	Bridge over the Pine River, opposite Lot 15, on road allowance between Lots 7 and 8, east of Huron Ontario Street	A-1968

BRIDGES

(Repairs to, under Section 471, Chapter 233, R.S.O. 1927)

CEMETERIES

(Incorporation of Additional Land in, etc., Section 43, Chapter 317, R.S.O. 1927)

COUNTY ROAD

(Abandonment of part of—Section 457 (3), Chapter 233, R.S.O. 1927)

DETACHMENT OF FARM LANDS FROM TOWN OR VILLAGE

(Section 21, Chapter 233, R.S.O. 1927)

DEVIATION OF BOUNDARY ROADS

(Section 480, Chapter 233, R.S.O. 1927)

Grey and Elma, Townships of	Maintenance of the deviation of that portion of the Boundary Road between the said Townships which is on Concession VIII and X of said Township of Grey	A-1599

EXTENSION OF DEBENTURE ISSUE PERIOD

(Section 296 (11) and (12) of Chapter 233, R.S.O. 1927)

Municipality	By-law No.	Purpose	Amount	
St. Thomas, City of	2571	Storm Sewers	$30,000 00	A-1527
Osnabruck, Township of	16	Drainage Work	74,581 50	A-1547
North York, Township of	281	Public School Purposes, S.S. No. 14	18,000 00	A-1579
Hamilton, City of	2613	Extension of Mountain Highway	137,000 00	A-1631
Peterborough, County of	1306	Registry Office, etc	30,000 00	A-1805
			$289,581 50	

EXTENSION OF TIME TO PASS BY-LAWS

(Section 288 (5), Chapter 233, R.S.O. 1927)

Municipality	By-law No.	Purpose	Amount	
Hamilton, City of	...	Storm Overflow System in Wentworth Street Area	$383,000 00	A-1531
Leaside, Town of	163	Franchise to Consumers' Gas Co.	.....	A-1655
Tecumseh, Town of	244	Town Hall	7,500 00	A-1686
			$390,500 00	

FORMS APPROVED BY THE BOARD

Revised Rules of Practice and Procedure and Practice Forms, dated March 20th, 1928, issued and published	A-1616a
Revised Regulations, Specifications and Forms, dated April 10th, 1928, issued and published	A-1616a

"THE (MUNICIPAL) FRANCHISES ACT"

(Section 4, Chapter 240, R.S.O. 1927)

Leaside, Town of.....Approval By-law 163—Franchise to Consumers' Gas Co. of Toronto..... A-1511
New Toronto, Town of....Approval By-law 688—Franchise to Consumers' Gas Co. of Toronto..... A-1639
Mimico, Town of.....Approval By-law 649—Franchise to Consumers' Gas Co. of Toronto..... A-1658
Etobicoke, Township of....Approval By-law 3213—Franchise to Consumers' Gas Co. of Toronto..... A-1814

FUEL, BY-LAWS FOR BUYING, ETC.

(Section 397 (38), Chapter 233, R.S.O. 1927)

HIGHWAYS—NARROW

(Section 490 (2) of Chapter 233, R.S.O. 1927)

Kitchener, City of.....Extension and widening of Edward Street northwesterly to Waterloo Street (41' 1") (By-law 1985)..... A-1529
Kitchener, City of.....Extension and widening of Bismarck Avenue between Waterloo and Edward Streets (41' 1") By-law 1986).... A-1530
Forest Hill, Village of.....Extension of Kilbarry Road, Russell Hill Road to Spadina Road (61' 6¼") (By-law 195, amended by By-law 214). A-1565
York, Township of.....Extension Wellwood Avenue at width of 50 feet (By-law 9508)..... A-1666
Riverside, Town of.....Extension Prado Place at a width of 50 feet (By-law 272-X) A-1825
Hamilton, City of.....Extension of Lorilla Street westerly to Cheever Street at width of 40 feet (By-law 3664)..... A-1847
Port Stanley, Village of....Extension of Edith Cavell Boulevard at width of 50 feet (By-law No. 704)..... A-1860
Sarnia, City of.....Laying out and establishment of Harbour Street at width of about 55 feet (By-law 1769)..... A-1904
Kitchener, City of.....Opening of Hett Avenue between Wilhelm Street and Blucher Street at width of about 37 feet (By-law 2038).. A-1919
Parry Sound, Town of.....Laying out and establishment of Johnson Street at less than 66 feet (By-law 646)..... A-1921
York, Township of.....Widening of Buttonwood Avenue from Birch Avenue westerly to Hospital entrance (By-law 9853)..... A-1951
Toronto, City of.....Establishment of highway, portion of Rowntree Avenue (at northerly wall of No. 677 Weston Road), at width less than 66 feet varying minus 2" to 5½")..... A-1985a

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HIGHWAYS, SUBURBAN, ESTABLISHING, CLOSING, ETC.

Section 12 of "The Planning and Developing Act," Chapter 236, R.S.O. 1927)

Welland, City of, vs. Township of Crowland—Closing of highway lying between Lots Nos. 57 and 58, Reg. Plan No. 877, for Township of Crowland, extending from south limit of Sixth Street to the north limit of the Canadian Southern Railway lands.... A-1755

"THE HOUSING ADJUSTMENT ACT, 1927"

(Section 5, Chapter 74, Ontario Statutes, 1927)

Township of East York vs. City of Toronto—Claim for $435.47 deducted by Respondent for repairs on No. 28 Newmarket Avenue..... A-1991

INCORPORATIONS

(Section 18, Chapter 233, R.S.O. 1927)

INTEREST DECREASE BY-LAWS

(Section 300, Chapter 233, R.S.O. 1927)

Parry Sound, Town of.....Debenture By-law No. 609—Repairs, etc., to its Municipal Power Plant; Interest Decrease By-law No. 632—Changing rate of interest from 6 per cent. to 5 per cent., $100,000..... A-1632

INTEREST INCREASE BY-LAWS

(Section 300, Chapter 233, R.S.O. 1927)

Blind River, Town of.....Debenture By-law No. 201—Water Supply; Interest Increase By-law No. 214—Changing rate of interest from 5 per cent. to 5½ per cent., $41,000..... A-1949

LEGISLATION (SPECIAL)

Hamilton, City of.....Investment of certain Sinking Funds, $209,385.59,. in debentures under its By-laws 3531, 3572, 3578, 3579 and 2613..... A-1644

Timmins, Town of.....Approval By-law 340, $12,000 for waterworks extensions.. A-1732

LICENSE FEE

(Section 411 (9), Chapter 233, R.S.O. 1927)

LOCAL IMPROVEMENTS—OBJECTIONS AGAINST

(Section 6 of "The Local Improvement Act," Chapter 235, R.S.O. 1927)

LOCAL IMPROVEMENTS—PETITIONS AGAINST

(Section 8 of "The Local Improvement Act")

Municipality	Petitioner	Work	
Ottawa, City of.....	S. M. Nagle, et al.....	Proposed distribution of cost of pavement on Laurier Avenue, between Nicholas and Charlotte Streets.....	A-1584
Toronto, City of.....	Albert Horton, Jas. Howard, et al.....	Proposed sidewalks, etc., north and south sides of Bloor Street, Sherbourne Street to Parliament Street.....	A-1612
Kitchener, City of.....	Allen Shoemaker, et al...	Pavement on Shoemaker Avenue, Mill Street to City limits.....	A-1613
Toronto, City of.....	S. L. Dunn, et al.....	Resurfacing pavement on Dunn Avenue from point 68 feet south of Springhurst Avenue to Queen Street.....	A-1676
Ottawa, City of.....	J. W. Bray, et al.....	Resurfacing of McLaren Street pavement, between Percy Street and Bronson Avenue.....	A-1738

LOCAL IMPROVEMENTS—PETITIONS AGAINST—Continued

Municipality	Petitioner	Work	
North York, Township of	Mrs. A. A. Beirness, et al	Six-inch watermain on 40th Avenue east, between east limit of Lot 9 (Plan 2777) and Estelle Street	A-1767
Kitchener, City of	H. Cartman Krug, et al	Opening, etc., of Duke Street from Queen Street to Frederick Street	A-1770
Smith's Falls, Town of	John Davidson and J. A. Fraser	Sidewalk on southwest side of Herbert Street, between Elizabeth Street and Annabella Street	A-1783
Walkerville, Town of	David Braithwaite, et al	Paving of alley adjoining east side Windermere Road, north of E.T.R.	A-1811
Hamilton, City of	Mrs. Mae McPherson, et al	Pavement on King Street from Ottawa Street to Kenilworth Avenue	A-1813
Ottawa, City of	Fred Griffin, et al	Pavement on Bronson Avenue between Gladstone Avenue and Powell Avenue	A-1865
Smith's Falls, Town of	H. S. Hunter, et al	Pavement on Rideau Avenue from Elm Street to Town boundary	A-1886
Hamilton, City of	Foster Pottery Co., et al	Opening of a street from Main Street to Chatham Street between Lots 3, 8, 9 and 10 on east side and Lot 7 on the west side, Alan McNab's survey of Lot 19, Con. III, Township of Barton, now in City of Hamilton	A-1967
Toronto, City of	Mrs. Margaret McCabe, et al	Construction of 6-inch watermain on Smith Street	A-1979
Hamilton, City of	J. B. Kerr, et al	Extension of Guise Street from westerly terminus along Bay Shore to Simcoe Street	A-1996
Scarborough, Township of	Irene Butcher, et al	Paving of "Windsor Lane"	A-2027

LOCAL IMPROVEMENTS—PART ONLY OF WORK

(Section 18 of "The Local Improvement Act")

Municipality	Amending By-law	Original By-law	
Ford City, Town of	815	753	A-1532
York, Township of	9467	9250	A-1533
Toronto, City of	11489	11289	A-1575
York, Township of	9498	9340	A-1620
Kapuskasing, Town of	170	165	A-1637
Kapuskasing, Town of	173	165	A-1637a
York, Township of	9517	9193	A-1677
Toronto, City of	11637	10940	A-1685
Fort Erie, Village of	647	627	A-1758
Toronto, City of	11714	11666	A-1762
Niagara Falls, City of	1644	1448 and 1449	A-1866
Bracebridge, Town of	501	494	A-1869
Toronto, City of	11858	10829	A-1985
Kapuskasing, Town of	205	142	A-1997

LOCAL IMPROVEMENTS—DEVIATION IN COURSE OR LOCATION OF HIGHWAY

(Section 19 of "The Local Improvement Act")

LOCAL IMPROVEMENTS—APPORTIONMENT OF COST

(Section 26 (3) of "The Local Improvement Act," as amended by Chapter 38, Ontario Statutes, 1928)

Forest Hill, Village of.....	By-law No. 289	Pavement on Forest Hill Road...	A-1735
Oshawa, City of.....	By-law No. 1891	Pavement on Simcoe Street.....	A-1894
Sandwich, Town of.....	By-law No. 1754	Pavement on Mill Street.....	A-1910
Oshawa, City of.....	By-law No. 1902	Opening of Olive Avenue and Celina Street.....	A-1992

NATURAL GAS

"THE NORTHERN FIRE RELIEF ACT, 1923"

Haileybury, Town of.....	Paving of certain streets and roads (By-law 682)	$25,000 00	A-1544
Haileybury, Town of.....	Cement sidewalks, local improvements.....	4,214 30	A-1807
Haileybury, Town of.....	Pavement and sidewalks on Ferguson Avenue..	7,350 00	A-1831
Haileybury, Town of.....	Permanent road, Rorke Avenue, etc. (By-law 697).....	7,500 00	A-1890
Haileybury, Town of.....	Permanent road, Main Street (By-law 698)....	3,800 00	A-1891
		$47,864 30	

"THE RAILWAY AND MUNICIPAL BOARD ACT"

Chapter 225, R.S.O. 1927)

PARKS—SETTING ASIDE PART OF FOR ATHLETIC PURPOSES

(Section 12 of "The Public Parks Act," Chapter 248, R.S.O. 1927)

Ford City, Board of Park Management of—By-law No. 1, for bathing beach..... A-1763
Hamilton, Board of Park Management of City of—By-law No. 11, portion of La Salle Park for athletic purposes, etc..... A-1926
Fort William, Board of Park Management of City of—By-law No. 4, portion of McKellar Park for athletic purposes..... A-1965

PUBLIC UTILITIES

REPEAL OF MONEY BY-LAWS AS TO RESIDUE NOT RAISED

(Section 301 (2), Chapter 233, R.S.O.)

Parry Sound, Town of.....Approval By-law 642, amending its By-law No. 609 (as amended by By-law 632) ($100,000 for repairs and improvements to its Municipal Power Plant), by repealing residue of $33,000 not required thereunder..... A-1821

RESTRICTED AREAS

Approval of By-laws Establishing

(Section 398 of Chapter 233, R.S.O. 1927)

Municipality	By-law No.	Area	
Toronto, City of	11572	"Lawrence Park District"	A-1505
Toronto, City of	11474	"Rosedale District"	A-1524
Riverside, Town of	262R	West of Lauzon Road to 300 feet south limit of Riverside Drive	A-1526
London, City of	8702-27 amended by 8722-28 and 8738-28	Dividing whole municipality into industrial, business and residential districts	A-1578
Trenton, Town of	1521	Certain areas	A-1594
London, City of	8764-28, amending 8702-27	Addition of district (Par. 11)	A-1628
London, City of	8767-28, amending 8702-27	Addition of district (Par. 12)	A-1629
Etobicoke, Township of	3189	Kingsbury Avenue	A-1656
Walkerville, Town of	1229	Certain areas	A-1721
Toronto, City of	11745	Either side of Astley Avenue or north side of Douglas Drive from Glen Road to east end	A-1774
Etobicoke, Township of	3229	"Humber Bay District," portion of	A-1800
Sarnia, City of	1754	Certain areas	A-1819
Etobicoke, Township of	3239	"Humber Bay District," portion of	A-1855
North York, Township of	642	"Lawrence Park"	A-1867
Fort William, City of	2896	Enlargement and amendment of By-law 2369	A-1901
Toronto, City of	11796	Crawford Street between Dundas and College Streets	A-1906
Windsor, City of	3890	Ouelette Avenue between Sandwich and Erie Streets	A-1908
North York, Township of	679 amended by 680	Area bounded by Harley Street, Hartford Road, Mason Avenue, City of Toronto and Lochiel Street	A-1969
London, City of	9201-28, 9032-28, 9044-28 and 9049-28	Amending By-law 8702-27	A-1984

REPEAL OF RESTRICTED AREAS

Approval By-laws, Repealing in Part, By-laws Providing for Restricted Areas

(Section 398 (2b), Chapter 233, R.S.O., 1927)

Municipality	Amending By-law No.	Original By-law No.	Area	Procedure File
Kitchener, City of	2003	1823 as amended by 1834-5	Addition of certain business districts to Section 1, Division "C"	A-1541
Kitchener, City of	2000	1823 as amended by 1834-5	Addition of certain business districts to Section 1, Division "C"	A-1542
Smith's Falls, Town of	1878	1522	Exemption of Cornelia Street from C.P.R. right-of-way to east boundary of the Town	A-1622
Forest Hill, Village of	255	76 amended by 165	To permit erection of stores on Spadina Road	A-1649
Smith's Falls, Town of	1879	1522	Exemption of Lots 40, 41 and 42 at intersection of Beckwith and Cornelia Streets	A-1657
Kitchener, City of	2007	1823 as amended by 1834-5	Addition of certain business districts to Section 1, Division "C"	A-1664

REPEAL OF RESTRICTED AREAS—CONTINUED

Municipality	Amending By-law No.	Original By-law No,	Area	Procedure File
Toronto, City of	11642	8867	Conversion of No. 30 Bernard Avenue into two-family house	A-1678
Cobourg, Town of	1386	1375	Exemption of lands on north side of King Street between westerly boundary of lands of Frank M. Field and eastern limits of Ontario Street	A-1682
Toronto, City of	11668	9285 and 9411	Exemption of land north of Austen Terrace, between Walmer Road and Spadina Road	A-1694
Stratford, City of	3221	2740	Southerly part of Lot 34, Canada Company's Survey	A-1713
Smith's Falls, Town of	1880	1522	Exemption of Lots 40, 41 and 42 at intersection of Beckwith and Elmsley Streets	A-1737
Toronto, City of	11701	10613	To permit conversion of No. 48 Glenrose Avenue into a two-family house	A-1746
Forest Hill, Village of	285	76	Land south of Eglinton Avenue	A-1761
York, Township of	9084 (in lieu of 9003)	7663	Eglinton Avenue from centre line of Weston Road westerly to Humber River	A-1071
Toronto, City of	11760	8834	14 and 18 Prince Arthur Avenue	A-1803
Toronto, City of	11825	9332	Rear of 19 Newmarket Avenue, housing of truck	A-1924
Toronto, City of	11827	9651	No. 200 Cottingham Street, conversion into two-family house	A-1925
Toronto, City of	11877	8815	No. 100 Roxborough Street, use of premises by Dr. W. H. Carveth for conduct of his medical practice	A-2001
Oshawa, City of	1906	1829 (amended by 1836)	Exemption of first 54 feet on south side and first 50 feet on north side of King Street, east of Ritson Road	A-2029

REPEAL OF BY-LAWS FOR STREET WIDENING

(Section 343 (3) of Chapter 233, R.S.O. 1927)

SEWAGE AND SEWAGE DISPOSAL WORKS

(Section 95 of Chapter 262, R.S.O. 1927)

SEWERAGE AREAS

SINKING FUNDS

APPROVAL OF BY-LAWS FOR INVESTMENT OF

(Section 317 of Chapter 233, R.S.O. 1927)

Municipality	Sinking Fund By-law	Debenture By-law	Purpose	Amount	
Brockville, Town of	B-1577	B-1576	Local improvements—(sidewalks)	$4,891 98	A-1555
Welland, City of	559	525	High School purposes	25,000 00	A-1607
				$29,891 98	

THE SUBURBAN AREA DEVELOPMENT ACT

(Section 6, Chapter 237, R.S.O., 1927)

TAX RATE

APPROVAL FURTHER DEBT WHERE RATE TOO HIGH

(Section 306 (2), Chapter 233, R.S.O. 1927)

Municipality	By-law No.	Purpose	Amount	
Woodbridge, Village of.....	527	Septic tank, etc.....	$3,200 00	A-1489b
Port Rowan, Village of....	287	Highway improvements and repairs	12,000 00	A-1535
Port Colborne, Town of....	1 (1928)	Waterworks extensions, etc.....	25,000 00	A-1567
Renfrew, Town of.....	1180	New Victoria Hospital and Nurses' Home.....	100,000 00	A-1496a
Port Colborne, Town of....	15 (1928)	Waterworks extensions.....	25,000 00	A-1697
Elora, Village of.....	750	Fire engine.....	5,300 00	A-1982
Palmerston, Town of.....	632	Waterworks extensions.....	14,000 00	A-1987
Arnprior, Town of.....	939	Waterworks improvements.....	45,000 00	A-1994
			$229,500 00	

TOWNS ERECTED INTO CITIES

(Section 19, Chapter 233, R.S.O. 1927)

TOWNSHIPS—SEPARATION OF JUNIOR FROM UNION OF

(Section 30 (2), Chapter 233, R.S.O. 1927)

TARIFF OF BOARD'S FEES

(See Procedure Files 5512, 9088, A-441 and A-1596, Schedule "F")

UNEMPLOYMENT—WORKS AND MEASURES TO RELIEVE

APPROVAL OF

(12 Geo. V (1922), Chapter 41, Section 4)

VILLAGES ERECTED INTO TOWNS

(Section 19, Chapter 233, R.S.O. 1927)

Fort Erie, Village of.....Erection into a Town and annexation to part Township of Bertie..... A-1692

(POLICE) VILLAGES, FORMATION OF

(Section 514 (3) and 517, Chapter 233, R.S.O. 1927)

WARDS, DIVISION OF CITIES, ETC., INTO

(Section 44, Chapter 233, R.S.O. 1927)

WATERWORKS

(Under Special Acts)

Municipality	By-law No.	Purpose	Procedure File
Oshawa, City of	1838	Construction of watermains	A-1515
Scarborough, Township of	1538	To set apart "Combined Sewerage Area No. 1"	A-1582
Oshawa, City of	1852	$39,000 for construction of watermains	A-1591
Timmins, Town of	340	$13,000 for waterworks extensions and improvements	A-1732
Scarborough, Township of	1560	To set apart Water Area No. 6	A-1754
Oshawa, City of	1862	Construction of watermains	A-1788
Timmins, Town of	377	$12,500 for waterworks extensions and improvements	A-1809a
Oshawa, City of	1881	Construction of watermains	A-1862
York, Township of	9793	Construction of watermains, Waterworks Section "A"	A-1876
York, Township of	9794	Construction of watermain, Waterworks Section "B"	A-1877
Crowland, Township of	(proposed)	$1,381.02 for watermain constructed under its By-law No. 177	A-1981
Oshawa, City of	1897	Construction of watermains	A-2039

WEIGH SCALES AND WEIGHING OF COAL, ETC.

(Section 400, Chapter 233, R.S.O. 1927)

WORKS ORDERED BY DOMINION AND ONTARIO RAILWAY BOARDS

(Section 297 (2) (f), Chapter 233, R.S.O. 1927)

Municipality	By-law No.	Purpose	Amount	Procedure File
Smith's Falls, Town of	1852	Corporation's share of cost of pavement under C.P.R.: At Cornelia St. $5,000 00; At Chambers St. 4,257 96	$9,257 96	A-1546
Montague, Township of	402	Corporation's share of cost of permanent roadway under C.P.R. at Chambers Street, Town of Smith's Falls	1,707 50	A-1885
Ottawa, City of	(proposed)	Reconstruction and widening of Somerset Street bridge	110,000 00	A-2036
			$120,965 46	

PLANS OF LAND SUBDIVISIONS

(Approved by the Board under "The Planning and Development Act," "The Land Titles Act" and "The Registry Act"

Name of Owner	Description of Land	Procedure File
Bogart, I. G. (M.D.)	"College Heights" subdivision, City of Kingston	A-1514
Boothby, Thos. G	Part Lot 15, Con. I, Township of Franklin, District of Muskoka—(Amendment to Reg. Plan M. 73)	A-1538
Boake, Geo. Wilfrid	Amendment of Plan M-402, Township York, (Parcels 3011 and 2813)	A-1621
Baldwin, C. M., et al	See "Wilson, Elizabeth."	
Beamer, J. H	Lots 1 to 15 (incl.), Beamer Plot, Township Grantham, County Lincoln	A-1752
Bee, E. R	Part Farm Lot 5, First and Broken Front Concession, Township Mersea, County Essex	A-1839
Bussey, Olive, et al	Part south half Lot 282, S.T.R., Township Colchester North, part now in Town of Essex	A-1917

PLANS OF LAND SUBDIVISIONS—Continued

Name of Owner	Description of Land	Procedure File
Bertrand, E. D., et al	Part Lot 11, Con. III, Township Whitby East, County Ontario	A-1980
Clarke, F. J. K., et al	Part Lot 61, Con. VII, Township Malden, County Essex	A-1520
Chartered Trust & Executor Co.	Part Block M, Plan M-423, filed in Land Titles Office, Toronto	A-1550
Cutting, W. R., et al	Part Lot 12 in Gore of Township Woodhouse, County of Norfolk	A-1592
Draper, Stuart I., et al	Parts Lots 28, 29, 30, 31 and 32, east of Waterloo Street, and parts Lots 29 and 30, west of Colborne Street, City of London, County of Middlesex	A-1784
Emmett, Allen	Lots 9 to 16 (both inclusive), Reg. Plan 876, Township Stamford, County Welland	A-1635
Fraser, Agnes	Part Lot 20, Con. "C," Township Etobicoke, County York (Amendment to Reg. Plan 1650)	A-1501
Fulton, A. M., and E. M	Lots "A," Concessions III and IV, Township Bexley, County Victoria	A-1597
Finlayson, Florence, et al	Block "E," Town of Smith's Falls	A-1999
Forbes, Philip	Lot 24, R. E. Moore's Survey of Farm Lot 28, Con. VI, E.B.R., Township Eastnor, County Bruce, Reg. Plan 288	A-2013
Graham, Christopher, et al	Part east half Farm Lot 21, City of Kingston	A-2041
Hills & Dales, Ltd	Part Lot 9, Con. II, Township Whitby East, City of Oshawa	A-1687
Hurlburt, Josephine, et al	Block "E," Town of Smith's Falls. (See "Finlayson, Florence.")	
Kilpatrick, T. N	Part north half Lot 7, Con. IV, Township McKim, Town of Sudbury	A-1905
Lillico, Nellie Halladay	Part Block "C," Plan M. 201, Land Titles Office, Toronto (Village of Forest Hill)	A-1711
Maple Leaf Milling Co	Part Block "D," Reg. Plan 8748, and part Reg. Plan 14292, Town of Port Colborne, County Welland	A-1549
Mackenzie, Elizabeth, et al	(See "Finlayson, Florence.")	
Petit, Exist	(Deed dated February 8th, 1928.) Affecting lands being part of Gore of Township of Ancaster, Con. I, County Wentworth	A-1568
Rishor, Chas	Part Lot 25, Con. III, Township Douro, County Peterborough	A-1566
Rutledge, L. T., et al	"Red Oaks"—Resubdivision of part east half Farm Lot 21, Carruthers Survey, Reg. Plan 166, Reg. Office for Kingston and Frontenac, City of Kingston	A-1838
Simpson, John	Farm Location S-972 (at Malachi, Ont.), District Kenora	A-1719
Sudbury Properties, Ltd	"Kingsmount," Town of Sudbury	A-1757
Schmidt, Joseph A., et al	Part Lot 64, Township Pelee, together with Part Lot 74, Reg. Plan 338, County Essex	A-1840
Tweedle, Thos	(Deed dated September 27th, 1927.) Affecting lands in Lot 27, Con. I, Township Saltfleet, County Wentworth	A-1557
Tweedle, Thos	(Deed dated March 2nd, 1928, to Albert Edward Warden, and mortgage back.) Affecting part Lot 27, Con. I, Township Saltfleet, County Wentworth	A-1632
Toronto Developments, Ltd	Part Blocks "A" and "D" and parts Blocks "B" and "E," Plan A-292, L. T., Village of Forest Hill	A-1675
Trudeau, Alphonse R	Part west half Lot 14, Con. "D," Township Scarborough	A-1846
Waters, Russell	Part Lot 35, Con. I, Township Colchester South, County Essex	A-1548
Warden, Albert Edward	Deed to, by Thos. Tweedle, and mortgage back. (See "Tweedle, Thos.")	
Wilson, Elizabeth, et al	Part east part Lot 1, 2nd Range, Township Oro, County Simcoe	A-1665
Westdale Properties, Ltd	"Oakwood," City of Hamilton	A-1888

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"

		Procedure File
Adelaide Telephone Co., Ltd.	Approval of increased charges	A-1545
Ashgrove Rural Telephone Co., Ltd.	Sale to Bell Telephone Company of Canada, Ltd.	A-1563
Adelaide Telephone Co., Ltd.	Approval, by-laws re control and management of.	A-1585
Adelaide Telephone Co., Ltd.	Approval, reinstallation charge	A-1615
Aylmer & Malahide Telephone Co., Ltd.	Approval, By-law 331 of Village of Springfield, granting use of highways to	A-1674
Austin, D. S. & A. G.	See Murray-Brighton Telephone System	A-1815
Alexander, Jas. A.	Approval, sale of telephone system in Township of Bentinck to Mark Mervyn	A-1873
Aylmer & Malahide Telephone Co., Ltd.	Approval of sale to of assets of The South Malahide Telephone Co., Ltd	A-1923
Albion, Township of, vs. Bolton Telephone Co., Ltd.	Assessment appeal	A-1990
Adelaide Telephone Co., Ltd.	Approval of leasing of trunk line circuit to West Williams Rural Telephone Association for interchange of service	A-2003
Birch Lake Telephone Co., Ltd.	Agreement for interchange of service with the Van Norman Telephone System	A-1500
Brighton Municipal Telephone System	Agreement for interchange of service with Cramahe Municipal Telephone System, et al	A-1506
Bell Telephone Co. of Canada, Ltd.	Approval, purchase of Pioneer Telephone Co., Ltd.	A-1518
Bosanquet, Township of	Approval, By-law No. 1125, use of highways to The People's Telephone Co. of Forest, Ltd.	A-1562
Bell Telephone Co. of Canada, Ltd.	Approval, purchase of Ashgrove Rural Telephone Co., Ltd	A-1563
Byron Telephone Co., Ltd.	Agreement for interchange of service with The Caradoc-Ekfrid Telephone Co., Ltd	A-1574
Belmont & Methuen, Township of	Approval, By-law No. 680, debenture issue re extensions to Belmont Municipal Telephone System	A-1581
Belmont Municipal Telephone System	Approval, By-law No. 680, Township of Belmont and Methuen, debenture issue re extensions to.	A-1581
Brooke, Township of	Telephone service to B. A. Williamson, et al	A-1598
Burleigh, Municipality of	Approval, By-law No. 208, use of highways to Forestry Branch, Department of Lands and Forests	A-1643
Brudenell and Lyndock, Townships of	Approval, By-law No. 314, use of certain highways to Forestry Branch, Department of Lands and Forests	A-1646
Bayfield Municipal Telephone	Approval, sale of to Township of Tuckersmith by Township of Stanley	A-1652
Burnt River Telephone Co., Ltd., vs. Wm. Rettie, et al	Complaint re violation of "The Companies Act".	A-1653
Brooke Municipal Telephone System	Approval, price to be offered to The Parkhill-Arkona Telephones, Ltd., for purchase of a portion of its system which it is proposed to duplicate	A-1705
Bolton Telephone Co., Ltd.	Purchase by Fred. W. Routley of controlling interest in	A-1793
Bull, David and Brighton Municipal Telephone System vs. D. S. and A. G. Austin (Murray-Brighton Telephone System)	Authority to extend Brighton Municipal Telephone System to premises of	A-1815
Brighton Municipal Telephone System and David Bull vs. D. S. and A. G. Austin (Murray-Brighton Telephone System)	Authority to extend system to premises of David Bull	A-1815
Blanshard Municipal Telephone System	Price to be offered for purchase of The Sebringville Telephone Co., Ltd	A-1829

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Buntin, H. E., vs. Shuniah Municipal Telephone System	Validity of special rate	A-1832
Bobcaygeon Rural Telephone Co., Ltd	Increased charges	A-1879
Byron Telephone Co., Ltd	Interchange of telephone service with Township of London	A-1899
Bell Telephone Co. of Canada, Ltd	Approval of sale to "Doane Telephone System" by Daniel C. Doane	A-1971
Bolton Telephone Co., Ltd., vs. Township of Albion	Assessment appeal	A-1990
Bryan, Jas	Approval, transfer of plant and equipment of Stormont Telephone Co. to Celia Bryan	A-2003
Blanshard, Township of	Approval, sale to of telephone system of Sebringville Telephone Co., Ltd	A-2044
Cramahe Municipal Telephone System	Agreement for interchange of service with Percy Municipal Telephone System, et al	A-1506
Caradoc-Ekfrid Telephone Co., Ltd	Agreement for interchange of service with The Byron Telephone Co., Ltd	A-1574
Colchester North, Municipality of	Authority to pass by-law providing for certain reconstruction, etc., of its telephone system and debenture issue therefor	A-1595
Cauthers Telephone System	Agreement for interchange of service with The Everett Telephone Co	A-1645
Corcoran, Dr. D., vs. Township of Flos	Enquiry into misapplication of certain moneys and of charges for service	A-1663
Cardiff, Township of	Approval, By-law No. 707, use of certain highways to Forestry Branch, Department of Lands and Forests	A-1739
Cambridge, Township of	Approval, By-law No. 445, use of highways to Russell Rural Telephone Co., Ltd	A-1749
Chandos, Township of	Approval, By-law No. 125, use of certain highways to Forestry Branch, Department of Lands and Forests	A-1748
Cochrane, Public Utilities Commission of	Free telephone service to members thereof	A-1785
Crediton Rural Telephone System (F. W. Clark, owner)	Approval, reinstallation charge	A-1820
Capreol Telephone Co., Ltd	Approval, constitution and by-laws	A-1852
Clarence Telephone Co., Ltd	Approval, By-laws 42 and 43, control and management of system	A-1884
Centre Road Telephone Co., Ltd	Increased charges	A-1957
Chapple, Municipality of, et al	Revision of terms governing interchange of service	A-1960
Chapple, Municipality of	Approval, By-law No. 437, debenture issue re extension to Municipal Telephone System	A-2018
Dunsford Telephone, Light & Power Association, Ltd	Investment of portion of depreciation reserve fund in guaranteed receipts of The Victoria Trust & Savings Co	A-1625
Dawn Municipal Telephone System	Increased charges	A-1647
Denbigh, Abinger & Ashley, Municipality of	Approval, By-law No. 196, use of certain highways in Townships of Abinger and Denbigh to Forestry Branch of Department of Lands and Forests	A-1683
Dunnett Municipal Telephone System	Authority to Municipality of Ratter and Dunnett to pass by-law providing for reconstruction and alteration of	A-1679
Dunnett Municipal Telephone System	Approval, By-law No. 69 of Municipality of Ratter and Dunnett re above	A-1703
Dover Municipal Telephone System	Increased charges	A-1775

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Dysart, United Townships of, et al	Approval, By-law No. 800, providing for debenture issue to meet cost of extensions to Dysart Municipal Telephone System for purpose of furnishing service to persons not assessed land owners	A-1778
Dummer Municipal Telephone System	Increased charges	A-1878
Dysart, Township of	Approval, By-law No. 799, extensions of Municipal Telephone System and debenture issue therefor	A-1947
Doane, Daniel C	Appoval, sale of "Doane Telephone System" to Bell Telephone Co. of Canada, Ltd	A-1971
Drummond & Elmsley Telephone Co., Ltd	Approval, By-law No. 555 of Township of Elmsley North, granting use of certain highways to	A-2034
Drummond & Elmsley Telephone Co., Ltd	Approval, By-law No. 447 of Township of Drummond, granting use of certain highways to	A-2045
Drummond, Township of	Approval, By-law No. 447 of, granting use of certain highways to the Drummond & Elmsley Telephone Co., Ltd	A-2045
Edgar, A. A. (Martintown Telephone System)	Increased charges	A-1516
Erie Telephone Co., Ltd	Investment of portion of depreciation fund in C.N.R. perpetual 4 per cent. consolidated debenture stock	A-1571
Everett Telephone Co	Agreement for interchange of service with The Cauthers Telephone System	A-1645
Erie Telephone Co., Ltd	Approval, By-law No. 350, of Village of Hagersville, granting use of highways to	A-1769
Emo Municipal Telephone System	Revised schedule of charges for service	A-1836
East Middlesex Telephone Co., Ltd	Authority to invest a portion of depreciation fund in debentures of Huron & Erie Mortgage Corp.	A-1889
Emo, Municipality of, et al	Revision of terms governing interchange of service	A-1960
Erin, Township of	Approval, debenture By-law No. 13 (1928), to liquidate a portion of the principal due December 20th, 1928, under its By-law No. 12 (1922), debenture issue to meet cost of establishing telephone system	A-2015
Elmsley North, Township of	Approval, By-law No. 555, use of certain highways to The Drummond & Elmsley Telephone Co., Ltd	A-2034
Frayne, Wm. R. (Thames Road Telephone System)	Use of highways in Township of Usborne under By-law No. 3 (1928)	A-1600
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 208, Township of Burleigh, use of highways to	A-1643
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 314 of Municipality of Brudenell and Lyndoch, use of certain highways to	A-1646
Flos, Township of, et al, Dr. D. Corcoran vs	Investigation re misapplication of certain moneys and of charges for service	A-1663
Faraday, Township of	Approval, By-law No. 201, use of certain highways to Forestry Branch of Department of Lands and Forests	A-1671
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 201 of Township of Faraday, granting use of certain highways to	A-1671
Forestry Branch of Department of Lands and Forests	Approval, By-law No. 628 of Townships of Marmora and Lake, granting use of certain highways to	A-1724
Fretts & Briscoe Telephone Co., Ltd., vs. A. A. Withers	Terms and conditions of service	A-1794

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 34, Township of Limerick, granting use of certain highways to	A-1672
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 196, Municipality of Denbigh, Abinger and Ashley, granting use of certain highways in Townships of Abinger and Denbigh to	A-1683
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 4 of Municipality of Kaladar, Anglesea and Effingham, granting use of certain highways in Township of Effingham to	A-1690
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 11, Townships of Tudor and Cashel, use of certain highways to	A-1718
Forestry Branch, Department of Lands and Forests	Approval, By-law No. 269 of County of Hastings, granting use of certain highways to	A-1853
Fort Frances, Town of	Improvement of Long Distance service between Fort Frances and Rainy River	A-1959
Fort Frances, Town of, La Vallee, et al	Revision of terms, etc., governing interchange of service	A-1960
Fretts & Briscoe Telephone Co., Ltd.	Approval, By-law No. 412, Township of South Fredericksburg, granting use of highways to	A-2016
Gladstone, Parkinson and Grasett, unorganized Townships of	Use of certain highways to Parkinson & Kynock Telephone Co	A-1602
Glackmeyer, Township of	Approval, By-law No. 46, use of highways to T. & N.O. Ry. Commission	A-1651
Glenelg, Township of	Approval, By-law No. 629, debenture issue re extension to Glenelg Municipal Telephone System	A-1667
Glenelg, Township of	Approval, By-law No. 634, debenture issue re extension to Glenelg Municipal Telephone System	A-1668
Glenelg, Township of	Approval, By-law No. 655, debenture issue re extension to Glenelg Municipal Telephone System	A-1669
Glenelg, Township of	Approval, By-law No. 671, debenture issue re extension to Glenelg Municipal Telephone System	A-1670
Gibson, John George	Approval of sale to of certain undertakings of Dr. Henderson Telephone Co., Ltd	A-1725
Glenelg, Township of	Approval, By-law No. 702, amending By-laws Nos. 613 and 622, establishment of telephone system and issue of debentures therefor	A-1872
Glamorgan, Township of	Approval, By-law No. 625, debenture issue re establishment of Glamorgan Municipal Telephone System	A-1970
Haldimand Municipal Telephone System	Agreement for interchange of service with Cramahe Municipal Telephone System, et al	A-1506
Henderson (Dr.) Telephone Co., Ltd	Approval of sale of entire undertaking to John George Gibson	A-1725
Hogg and Lytle (Messrs.), Respondent	Application by Oakwood Telephone Co., Ltd., for authority to change location of poles and wires upon certain highways in Township of Mariposa	A-1736
Hagersville, Village of	Approval, By-law No. 350, use of highways to The Erie Telephone Co., Ltd	A-1769
Heyder, Oscar, vs. Shuniah Municipal Telephone System	Validity of special rate	A-1833
Hastings, County of	Approval, By-law No. 969, use of certain highways to Forestry Branch of Department of Lands and Forests	A-1853

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Hugel Mutual Telephone Co., Ltd.	Approval, agreement for interchange of service with the Telephone System of the Municipality of Ratter and Dunnett	A-1854
Hewitt, Wm., vs. Telephone System of Municipality of Shuniah	Validity of special rate levied upon property of applicant	A-1972
Hay, Township of	Approval, debenture By-law No. 10 (1928), extensions to Municipal Telephone System	A-2026
Innerkip Rural Telephone Co., Ltd.	Approval, agreement for interchange of service with The North Easthope Municipal Telephone System	A-1586
Johnston, Jno. A., et al	Approval, sale of Wightman Telephone System to, by Robt. Wightman	A-1534
Kaladar, Anglesea and Effingham, Townships of	Approval, By-law No. 4, use of certain highways to Forestry Branch, Department of Lands and Forests in Township of Effingham	A-1690
Keewatin, Town of	Approval, by-law providing for establishment of automatic telephone system and debenture issue therefor	A-1837
Lee Valley Rural Telephone Co., Ltd.	Agreement for interchange of service with Van Norman Telephone System	A-1499
Lee, T., & Sons	Interchange of service between Lavant & Denbigh Telephone Co., Ltd., and Lavant-Dalhousie Telephone Co., Ltd., and terms and conditions therefor	A-1610
Lavant & Denbigh Telephone Co., Ltd. (J. D. Flake)	Interchange of service between Lavant & Denbigh Telephone Co., Ltd., and Lavant-Dalhousie Telephone Co., Ltd., and terms and conditions therefor	A-1610
Lavant-Dalhousie Telephone Co., Ltd.	Interchange of service between Lavant & Denbigh Telephone Co., Ltd., and Lavant-Dalhousie Telephone Co., Ltd., and terms and conditions therefor	A-1610
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 208, Township of Burleigh, use of highways to	A-1643
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 314, Municipality of Brudenell and Lyndock, use of certain highways to	A-1646
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 201, Township of Faraday, use of certain highways to	A-1671
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 34, Township of Limerick, use of certain highways to	A-1672
Limerick, Township of	Approval, By-law No. 34, use of certain highways to Forestry Branch of Department of Lands and Forests	A-1672
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 11, Township of Tudor and Cashel, use of certain highways to Forestry Branch	A-1718
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 628, Townships of Marmora and Lake, use of certain highways to	A-1724
Loring, Golden Valley & Powassan Telephones, Ltd	Use of highways on road allowances in unorganized Townships of McConkey, et al (District of Parry Sound)	A-1726
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 707, Township of Cardiff, use of certain highways to	A-1739

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 125, Township of Chandos, use of certain highways to	A-1748
Lee Valley Rural Telephone Co.	Re-installation charge	A-1771
Lands and Forests, Department of (Forestry Branch)	Approval, By-law No. 269, County of Hastings, granting use of certain highways to	A-1853
London, Township of	Approval, agreement for interchange of service with Byron Telephone Co., Ltd	A-1899
Loring, Golden Valley & Powassan Telephone Co., Ltd	Approval, By-law No. 253, Township of Nipissing, granting use of certain highways to	A-1946
La Vallee, Municipality of, et al	Revision of terms governing interchange of service	A-1960
Landsowne Rural Telephone Co., Ltd	Approval, By-law No. 1267, of United Counties of Leeds and Grenville, granting use of highways to	A-2017
Leeds and Grenville, United Counties of	Approval, By-law No. 1267 of, granting use of certain highways to Lansdowne Rural Telephone Co., Ltd	A-2017
Murray-Brighton Telephone Co.	Agreement for interchange of service with Cramahe Municipal Telephone System, et al	A-1506
Martintown Telephone System (A. A. Edgar)	Increased charges	A-1516
Maidstone, Municipality of	Interchange of service with Municipality of Rochester	A-1601
MacDougall, E. L	Parallelling of poles and wires of Tuckersmith Municipal Telephone System and Thames Road Telephone System to furnish applicant with service	A-1614
Marmora and Lake, Townships of	Approval, By-law No. 628, use of certain highways to Forestry Branch of Department of Lands and Forests	A-1724
Millbrook Rural Telephone Co., Ltd., Alfred L. Russell, M.D., vs.	Complaint re parallelling of pole leads without statutory consent	A-1799
Murray-Brighton Telephone Co. (D. S. and A. G. Austin) vs. Brighton Municipal Telephone System	Extension of Brighton Municipal Telephone System to premises of David Bull	A-1815
Munro, Jas. M., vs. Commissioners for Telephone System of Municipality of Paipoonge	Complaint as to service	A-1835
Mervyn, Mark	Approval, sale to of telephone system in Township of Bentinck by Jas. A. Alexander	A-1873
Mono Mills Telephone Co., Ltd	Increased charges	A-1956
Morley, Municipality of, et al	Revision of terms governing interchange of service	A-1960
Manilla Union Telephone Co., Ltd.	Approval of charges for service	A-1998
Millbrook Rural Telephone Co., Ltd.	Fixing of price to be offered by Commissioners for telephone system of Township of South Monaghan for portion of system located in said township	A-2014
McConkey, et al (unorganized), Townships of (District of Parry Sound)	Use of highways on road allowances to The Loring, Golden Valley & Powassan Telephones, Ltd	A-1726
McKillop Municipal Telephone System	Increased charges	A-1744
McKillop, Township of	Approval, By-law No. 7 (1919), extension of telephone system and debentures issued therefor	A-1912
McKillop, Township of	Approval, By-law No. 7 (1920), extension of telephone system and debenture issue therefor	A-1913
McKillop, Township of	Approval, By-law No. 10 (1921), extension of telephone system and debenture issue therefor	A-1914
McKillop, Township of	Approval, By-law No. 9 (1923), extension of telephone system and debenture issue therefor	A-1915

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
McKillop, Township of	Approval, By-law No. 15 (1923), reconstruction, replacement and alterations of telephone system and debenture issue therefor	A-1916
Nipissing Central Ry. Co., et al	Approval, agreement for interchange of service with the Temiskaming Telephone Co	A-1528
Norfolk County Telephone Co., Ltd.	Investment of portion of depreciation fund in C.N.R. 4 per cent. consolidated debenture stock	A-1570
North Easthope Municipal Telephone System	Approval, agreement for interchange of service with The Innerkip Rural Telephone Co., Ltd.	A-1586
Noisy River Telephone Co., Ltd	Issue of additional capital stock	A-1633
Norfolk County Telephone Co., Ltd.	Increased charges at Port Dover	A-1634
Northern Telephone Co., Ltd	Authority to issue stock and bonds	A-1792
New Dundee Rural Telephone Co., Ltd., Commissioners for Township of Wilmot vs	Extension of Township of Wilmot System to furnish service to Jno. E. R. Schwartzentruber	A-1798
Northern Telephone Co., Ltd	Authority to issue additional capital stock (not exceeding $50,000.00)	A-1822
Nipissing, Township of	Approval, By-law No. 253, use of certain highways to the Loring, Golden Valley & Powassan Telephones, Ltd	A-1946
Oakwood Telephone Co., Ltd	Authority to change location of poles and wires on certain highways in Township of Mariposa (Messrs. Hogg and Lytle, Respondents)	A-1736
Percy Municipal Telephone System	Approval agreement for interchange of service with Cramahe Municipal Telephone System, et al	A-1506
Pioneer Telephone Co., Ltd	Approval, purchase by Bell Telephone Co. of Canada, Ltd., of	A-1518
People's Telephone Co. of Forest, Ltd	Approval, By-law No. 4 (1927), Township of Plympton, use of highways to	A-1561
Plympton, Township of	Approval, By-law No. 4 (1927) of, use of certain highways to People's Telephone Co. of Forest, Ltd	A-1561
People's Telephone Co. of Forest, Ltd	Approval, By-law No. 1125, Township of Bosanquet, use of highways to	A-1562
People's Telephone Co. of Forest, Ltd	Approval, By-law No. 7 (1927) of Township of Warwick, use of highways to	A-1564
Parkinson & Kynock Telephone Co.	Right to use highways in unorganized Townships of Gladstone, Parkinson and Grasett	A-1602
Porcupine Power & Telephone Co., Ltd	Approval, sale to Temiskaming Telephone Co., Ltd., of telephone system located in Town of Timmins, Village of South Porcupine and Schumacher, and Townships of Tisdale and Whitney	A-1673
Parkhill-Arkona Telephones, Ltd	Price to be offered by Commissioners for Telephone System of Municipality of Brooke for portion of system proposed to duplicate	A-1705
Paipoonge, Municipal Telephone System, vs. Jas. M. Munro	Complaint as to service	A-1835
Port Arthur, City of	Authority to pass by-law (debentures not exceeding $290,000.00) to provide for "automatic" switchboard for Port Arthur Municipal Telephone System	A-2000
Russell, Dr. A. L. (Russell Telephone System), W. E. Wood, et al, vs.	Complaint as to service	A-1543
Rochester, Municipality of	Interchange of service with Municipality of Maidstone	A-1601
Richmond, Township of	Approval of By-law No. 764, consent to extension into the Township of Telephone System of Municipality of Tyendinaga and use of highways	A-1626
Rettie, Wm., et al, vs. Burnt River Telephone Co., Ltd	Complaint re violation of "The Companies Act"	A-1653

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Ratter and Dunnett, Municipality of	Authority to council to pass by-law to provide for debenture issue for reconstruction and alterations to The Dunnett Municipal Telephone System	A-1679
Ratter and Dunnett, Municipality of	Approval, By-law No. 69, debenture issue re above	A-1703
Russell Rural Telephone Co., Ltd.	Approval, By-law No. 445, Township of Cambridge, use of highways to	A-1749
Routley, Fred., M.D.	Purchase of a controlling interest in The Bolton Telephone Co., Ltd	A-1793
Russell, A. M. (M.D.), vs. Millbrook Rural Telephone Co., Ltd.	Complaint re parallelling of pole leads without statutory consent	A-1799
Ratter and Dunnett, Municipal Telephone System	Approval, agreement for interchange of service with Hugel Mutual Telephone Co., Ltd.	A-1854
Rankin Telephone Co	Approval, service station agreement with The South Algona Telephone Co., Ltd.	A-1887
Roxborough Municipal Telephone System	Non-compliance with sections 103 and 117, etc., of "The Telephone Act"	A-1895
Russell, Dr. A. L.	Approval, sale to South Monaghan Municipal Telephone System of "The Russell Telephone System"	A-1909
Rainy River, Municipality of, et al.	Revision of terms governing interchange of service	A-1960
Shakespeare Telephone Co., Ltd.	Agreement for interchange of service with Van Norman Telephone System	A-1498
Shackleton and Machin, Townships of	Use of highways in, to T. & N.O. Railway Commission	A-1503
Schnarr, J. H., et al	Approval sale of "Wightman Telephone System" to, by Robert Wightman	A-1534
South Norfolk Telephone Co., Ltd.	Investment of portion of depreciation fund in C.N.R. perpetual 4 per cent. consolidated debenture stock	A-1572
Slate River Municipal Telephone System	Increased charges	A-1580
Stanley, Township of	Approval, sale of Bayfield Municipal Telephone System to, Township of Tuckersmith	A-1652
Springfield, Village of	Approval, By-law 331, granting use of highways to The Aylmer & Malahide Telephone Co., Ltd.	A-1674
South Algona, Township of	Approval, By-law 129, use of certain highways to South Algona Telephone Association	A-1714
Silcote Telephone Co., Ltd.	Increased charges	A-1777
South Norfolk Telephone Co., Ltd.	Issue, additional capital stock to an amount not exceeding $7,500.00	A-1779
Silcote Telephone Co., Ltd.	Increased charges	A-1791
Sebringville Telephone Co., Ltd.	Price to be offered for purchase of, by Blanshard Municipal Telephone System	A-1829
Shuniah Municipal Telephone System vs. H. E. Buntin	Validity of special rate	A-1832
Shuniah Municipal Telephone System vs. Oscar Heyder	Validity of special rate	A-1833
Shuniah Municipal Telephone System	Approval charges for service	A-1834
South Monaghan, Township of	Approval, By-law 409, establishment of telephone system	A-1870
South Monaghan, Township of, vs. Jas. Whitington, et al	Removal of names from petition for establishment of telephone system under Part II of "The Telephone Act"	A-1875
South Algona Telephone Co., Ltd.	Approval, agreement (Service Station) with Rankin Telephone Co	A-1887
South Monaghan Municipal Telephone System	Approval, By-law 1, regulating the management and operation of	A-1907
South Monaghan Municipal Telephone System	Approval of purchase of, from Dr. A. L. Russell of "The Russell Telephone System"	A-1909

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
South Malahide Telephone Co., Ltd.	Approval, sale (by Liquidator) of assets to The Aylmer & Malahide Telephone Co., Ltd.	A-1923
Shuniah, Municipal Telephone System, vs. Wm. Hewitt	Validity of special rate levied on applicants' property	A-1972
Stormont Telephone Co	Approval, transfer of, by Jas. Bryan to Celia Bryan	A-2004
South Monaghan, Township of	Fixing of price to be offered to Millbrook Rural Telephone Co., Ltd., for its plant located in Township of	A-2014
South Fredericksburg, Township of	Approval, By-law 412, use of highways to The Fretts & Briscoe Telephone Co., Ltd.	A-2016
Sebringville Telephone Co., Ltd	Approval, sale of telephone system of to Township of Blanshard	A-2044
Temiskaming & Northern Ontario Railway Commission	Use of highways to, in Townships of Shackleton and Machin	A-1503
Temiskaming Telephone Co., Ltd	Issue of shares of capital stock to par value of $40,000.00	A-1513
Temiskaming Telephone Co., Ltd	Approval agreement for, interchange of service with Temiskaming & Northern Ontario Railway Commission and Nipissing Central Railway Co.	A-1528
Temiskaming & Northern Ontario Railway Commission	Approval agreement for interchange of service with Temiskaming Telephone Co., Ltd., and Nipissing Central Railway Co	A -1528
Thames Road Telephone System (Wm. R. Frayne)	Use of highways in Township of Usborne (By-law 3, 1928)	A-1600
Tuckersmith, Municipality of	Parallelling of poles and wires of Thames Road Telephone System, service to E. L. MacDougall	A-1614
Thames Road Telephone System (Wm. R. Frayne)	Parallelling of poles and wires of, by Municipality of Tuckersmith, service to E. L. MacDougall	A-1614
Tyendinaga, Municipality of	Extension of Municipal Telephone System into Township of Richmond (By-law 764) and use of highways	A-1626
Temiskaming & Northern Ontario Railway Commission	Use of highways in Township of Glackmeyer, By-law 46	A-1651
Tuckersmith, Township of	Approval, purchase of Bayfield Municipal Telephone System from Township of Stanley	A-1652
Temiskaming Telephone Co., Ltd	Approval, sale to, by Porcupine Power & Telephone Co., Ltd., of its telephone system located in Town of Timmins, Village of South Porcupine and Schumacher, and Townships of Whitney and Tisdale	A-1673
Tuckersmith Municipal Telephone System	Increased charges	A-1706
Temiskaming Telephone Co., Ltd	Free service to C. N. Alston (Superintendent), and R. W. Upton (repair man) at Timmins	A-1714
Tudor and Cashel, Township of	Approval, By-law No. 11, use of certain highways to Forestry Branch of Department of Lands and Forests of Ontario	A-1718
Tara-Keady Telephone Co., Ltd	Increased charges	A-1823
Tuckersmith, Township of	Approval, By-law 50, 1922, debentures for replacement, reconstruction, etc., of telephone system.	A-1927
Tuckersmith, Township of	Approval By-law 98, 1927, extension of telephone system and issue of debentures therefor	A-1928
Tuckersmith, Township of	Approval, By-law 91, 1926, extension of telephone system and issue of debentures therefor	A-1929
Tuckersmith, Township of	Approval, By-law 78, 1925, extension of telephone system and issue of debentures therefor	A-1930
Tuckersmith, Township of	Approval, By-law 65, 1924, extension of telephone system and issue of debentures therefor	A-1931
Tuckersmith, Township of	Approval, By-law 51, 1922, extension of telephone system and issue of debentures therefor	A-1932

LIST OF APPLICATIONS TO THE BOARD UNDER "THE ONTARIO TELEPHONE ACT"—Continued

		Procedure File
Tuckersmith, Township of	Approval, By-law 34, 1921, extension of telephone system and issue of debentures therefor	A-1933
Tuckersmith, Township of	Approval, By-law 25, 1919, extension of telephone system and issue of debentures therefor	A-1934
Tuckersmith, Township of	Approval, By-law 2, 1919, extension of telephone system and issue of debentures therefor	A-1935
Tuckersmith, Township of	Approval, By-law 2, 1918, extension of telephone system and issue of debentures therefor	A-1936
Tuckersmith, Township of	Approval By-law 11, 1913, extension of telephone system and issue of debentures therefor	A-1937
Tuckersmith, Township of	Approval, By-law 10, 1912, extension of telephone system and issue of debentures therefor	A-1938
Tuckersmith, Township of	Approval, By-law 10, 1914, extension of telephone system and issue of debentures therefor	A-1939
Tuckersmith, Township of	Approval, By-law 9, 1915, extension of telephone system and issue of debentures therefor	A-1940
Tuckersmith, Township of	Approval, By-law 9, 1916, extension of telephone system and issue of debentures therefor	A-1941
Usborne, Township of	Approval, By-law No. 3 (1928), use of highways to Wm. R. Frayne (Thames Road Telephone System)	A-1600
Van Norman, Francis Albert (Van Norman Telephone System)	Agreement for interchange of service with Shakespeare Telephone Co., Ltd	A-1498
Van Norman, Francis Albert (Van Norman Telephone System)	Agreement for interchange of service with Lee Valley Rural Telephone Co., Ltd	A-1499
Van Norman, Francis Albert (Van Norman Telephone System)	Agreement for interchange of service with Birch Lake Telephone Co., Ltd	A-1500
Wightman, Robert	Approval, sale of Wightman Telephone System to J. H. Schnarr and Jno. A. Johnston	A-1534
Wood, W. E., et al, vs. Dr. A. L. Russell	Complaint re service by Russell Telephone System	A-1543
Warwick, Township of	Approval, By-law No. 7 (1927), use of highways to People's Telephone Co. of Forest, Ltd	A-1564
Williamson, B. A., et al	Telephone service by Township of Brooke	A-1598
Wallacetown & Lake Shore Telephone Association	Approval, By-laws regarding control and management of	A-1648
Welland County Telephone Co., Ltd	Expenditure of portion of depreciation fund in reduction of bonded indebtedness	A-1650
Woodford Telephone Co., Ltd	Increased charges	A-1768
Withers, A. A., vs. Fretts & Brisco Telephone System	Terms and conditions of service	A-1794
Wilmot, Township of, vs. New Dundee Rural Telephone Co., Ltd	Extension of applicant's system to furnish service to Jno. E. R. Schwartzentruber	A-1798
Wilmot Municipal Telephone System	Increased charges	A-1826
Whitington, Jas., et al, vs. Township of South Monaghan	Removal of names from petition for establishment of telephone system under Part II of "The Telephone Act"	A-1875
West Williams Rural Telephone Association	Approval, lease of trunk line circuit by, from Adelaide Telephone Co., Ltd., for the purpose of interchange of service	A-2003

LIST OF BELL TELEPHONE AGREEMENTS APPROVED BY THE BOARD UNDER SECTION 97 OF "THE TELEPHONE ACT"

Exchange and Toll Line Agreements

	Procedure File
Belmont Co-operative Association, Ltd	A-1627
Brooke Municipal Telephone System	A-1702
Capreol Telephone Co., Ltd	A-1611
Cramahe Municipal Telephone System	A-1787
Dunnville Consolidated Telephone Co., Ltd	A-1495
Elmwood Telephone System (Mark Mervyn)	A-1945
Fort William, City of	A-1898
Gloucester Township Telephone Co., Ltd	A-2019
Loring, Golden Valley & Powassan Telephones, Ltd	A-1920
Schomberg Telephone Co., Ltd	A-2028
Tilbury West Municipal Telephone System	A-1958
Van Norman Telephone System	A-1504
Wightman Telephone System	A-1569
West Williams Rural Telephone Association, Ltd	A-1688
Westport Rural Telephone Co., Ltd	A-1900

Service Station Agreements

Artemesia Municipal Telephone System	A-1576
Acorn Rural Telephone Association, Ltd	A-1883
Brooke Municipal Telephone System	A-1702
Cramahe Municipal Telephone System	A-1787
Dover Municipal Telephone System	A-1776
Evergreen Telephone Co., Ltd	A-1988
Fretts & Brisco Telephone Association	A-1812
Forestry Branch (Ontario Government) Telephone Line	A-1871
Ferry Road Telephone Co., Ltd	A-1880
Fourth Line of Bathurst Telephone Association, Ltd	A-1881
Herrington, Thos. H. (Napanee)	A-1868
Hynford, Douglas Telephone Association, Ltd	A-1961
Henderson Telephone Co., Ltd	A-1989
Lennox Telephone Co., Ltd	A-1861
Lightning Telephone Co., Ltd	A-1962
Mond Nickel Co., Ltd	A-1844
Ontario Government Forestry Branch, telephone Line	A-1871
Pleasant Valley Telephone Co., Ltd	A-1850
Palace Road Telephone Co., Ltd	A-1851
Riverdale Rural Telephone Association	A-1903
Sidney Telephone Co., Ltd	A-1577
Scotch Line & Stanleyville Telephone Co., Ltd	A-1882
Snake River Telephone Co., Ltd	A-1893
South Leeds & Pittsburg Rural Telephone Co., Ltd	A-1944
Sydney Telephone Co., Ltd	A-1986
Standard Chemical Co., Ltd. (Sundridge)	A-2020
Schomberg Telephone Co., Ltd	A-2028
Upper Admaston Telephone Co., Ltd	A-1963

TARIFF OF FEES

Tariff of Fees Payable in Cash or Law Stamps under Sections 61 and 62 of "The Railway and Municipal Board Act"

For copy of any Document, 10 cents for each 100 words and 50 cents for each Certificate.

For copy of any map or plan, applicants are to pay draughtsmen's and engineers' fees for same and 50 cents for each Certificate.

In contentious matters, including arbitrations or references to the Board under Public General Acts of Ontario, requiring a hearing, there shall be paid in Law Stamps the sum of $15.00 for each day or fraction thereof over one half-day, and the sum of $10.00 for each half-day or less occupied by or in connection with the hearing, and $1.00 on each original subpoena.

In all other arbitrations or references requiring a hearing there shall be paid in Law Stamps the sum of $50.00 for each day or fraction thereof over one half-day, and the sum of $25.00 for each half-day or less occupied by or in connection with the hearing, and $1.00 on each original subpoena.

In Cases In Which There Is No Opposing Party

On order, under Section 304 of "The Municipal Act," validating a By-law and Debentures, the following sums shall be paid in Law Stamps:

(These fees shall be payable on each group of four By-laws (grouped by serial numbers) consolidated under "The Local Improvement Act.")

	Procedure File
Where the issue of Debentures amounts to $10,000 or less	$15 00
Over $10,000 and up to $15,000	20 00
" 15,000 " 20,000	25 00
" 20,000 " 25,000	30 00
" 25,000 " 30,000	35 00
" 30,000 " 40,000	40 00
" 40,000 " 50,000	45 00
" 50,000 " 60,000	50 00
" 60,000 " 70,000	55 00
" 70,000 " 80,000	60 00
" 80,000 " 90,000	65 00
" 90,000 " 100,000	70 00
" 100,000 " 110,000	75 00
" 110,000 " 120,000	80 00
" 120,000 " 130,000	85 00
" 130,000 " 140,000	90 00
" 140,000 " 150,000	95 00
" 150,000 " 160,000	100 00
" 160,000 " 170,000	105 00
" 170,000 " 180,000	110 00
" 180,000 " 190,000	115 00
" 190,000 " 200,000	120 00
" 200,000, such sum as the Board may order or direct.	

The following sums shall be paid in Law Stamps on the following Orders and Certificates:

Approval of By-law for work ordered by Dominion or Ontario Railway Board—Section 297 (2) (*f*) of "The Municipal Act"	$10 00
Approval of By-law for extension of waterworks or electric light or gasworks, etc.—Section 399 (2) of "The Municipal Act"	10 00
Approval of a plan under "The Railway Act"	5 00
Approval of railway fenders	5 00
Extension of time to pass a By-law—Section 288 (5) of "The Municipal Act"	5 00
Extension of debenture issue period—Section 296 (11) and (12) of "The Municipal Act"	5 00
Approval of Bridge Construction By-law—Section 297 (2) (*e*) of "The Municipal Act"	5 00
Approval of By-law changing the rate of interest on debentures—Section 300 of "The Municipal Act"	5 00
Repeal of By-law as to amount not required—Section 301 (2) of "The Municipal Act"	5 00

TARIFF OF FEES—Continued

	Procedure File
Approval of further debt and levies where tax rate too high—Section 306 (2) of "The Municipal Act"	$5 00
Approval of Sinking Fund Investment By-law—Section 317 of "The Municipal Act"	5 00
Approval of Municipal Fuel By-law—Section 397 (38) of "The Municipal Act"	5 00
Approval of laying out of highway less than 66 feet in width—Section 490 of "The Municipal Act"	5 00
Approval of By-law abandoning part of local improvement work—Section 18 of "The Local Improvement Act"	5 00
Approval of plan of land subdivision	5 00
Approval of railway company's public by-laws and rules	2 00
Approval of railway company's tolls and tariffs	2 00
Approval of railway company's examiner of motormen	1 00

On Orders not included in the above list, such sums as the Board may order or direct.

TARIFF OF FEES PAYABLE IN LAW STAMPS IN PROCEEDINGS UNDER "THE TELEPHONE ACT"

ON ORDER:

Authorizing the passing of a By-law extending the period for repayment of debentures to cover the cost of telephone system established pursuant to Section 19, beyond 10 years; under Section 26	$10 00
Authorizing the extension of a telephone system established pursuant to Section 19, into unorganized townships; under Section 18	5 00
Approving a Municipal By-law providing for the establishment or extension of telephone system; under Section 19	5 00
Extending the period within which Debenture By-law to cover cost of establishing a telephone system pursuant to Section 19 may be passed; under Section 25	5 00
Authorizing a municipal council to pass a By-law for reconstruction, etc.; under Section 27	5 00
Authorizing a municipal council to pass a By-law for the issue of debentures for furnishing service to persons not being assessed landowners; under Section 28	5 00
Authorizing the passing of a By-law providing for the issue of new debentures to provide for the payment of a portion of the principal of the original debentures falling due in any year; under Section 30	5 00
Approving the purchase of telephone systems; under Sections 31 and 102	5 00
Approving connecting agreement with The Bell Telephone Company of Canada, Limited; under Section 97	5 00
Authorizing a company to expend a portion of its depreciation reserve in new construction, etc.; under Section 110	5 00
Authorizing a company to issue additional stock or bonds; under Section 111	5 00
Authorizing the removal of signatures from a petition praying for the establishment of a telephone system pursuant to Section 19; under Section 12	2 00
Granting the use of highways in unorganized townships; under Section 84	2 00
Approving the By-laws of a telephone company; under Section 88	2 00
Approving connecting agreement between telephone systems within the jurisdiction of Ontario; under Section 97	2 00
Approving regulations to prevent the misuse of system by subscribers; under Section 112	2 00
Approving Municipal By-law granting the use of highways; under Section 80	1 00

On any Order not included in the above list, such sums as the Board may order or direct.

In contentious matters requiring a hearing, $15.00 for each day or fraction thereof over one half-day, and $10.00 for each half-day or less occupied in connection with the hearing, and $1.00 on each original subpoena.

Where inquiry is made by the Board's expert, $10.00 for each day or fraction thereof over one half-day, and $5.00 for each half-day or less occupied in connection with such inquiry.

For copy of any document, 10 cents for each 100 words, and 50 cents for each certificate.

THE FOLLOWING GIVES A BRIEF SUMMARY OF THE EXTENSIONS AND IMPROVEMENTS MADE TO THE RAILWAYS UNDER PROVINCIAL JURISDICTION DURING THE YEAR 1928

Buffalo and Fort Erie Ferry and Railway Company

It is reported by this company that during the year December 31st, 1927, to December 31st, 1928, they did not make any extensions to track.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

Cornwall Street Railway, Light and Power Company, Limited

This company report that during the year ending December 31st, 1928, they did not make any extensions to track.

They report during the same period a total expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $19,825.73.

Fort William Electric Railway

It is reported that this railway during the year ending December 31st, 1928, was extended 350 feet at a cost of $1,652.48.

It is also reported that during the same period a total expenditure was made on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $19,375.01.

Guelph Radial Railway

The Hydro-Electric Power Commission of Ontario report that during the year ending December 31st, 1928, there was no extension made to the tracks of this railway.

They report, however, an expenditure during the same period on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $2,500.00.

The Hamilton Street Railway Company

During the year ending 31st December, 1928, it is reported by this railway company that they did not make any extensions to track.

They report, however, during the same period, under the heading of track improvements, overhead structure, rolling stock, etc., an expenditure of $199,677.62 on new cars, $270,827.95 on new car shop, and $67,743.80 on buses, making a total expenditure of $538,249.37.

The Hamilton and Dundas Street Railway Company

During the year ending 31st December, 1928, there were no extensions made to track, and no expenditure on track improvements, rolling stock, etc., for the reason that this railway is not now being operated.

The Hamilton, Grimsby and Beamsville Electric Railway Company

It is reported that during the year ending 31st December, 1928, this company did not make any extensions to track.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

The Hamilton and Barton Incline Railway Company

During the year December 31st, 1927, to December 31st, 1928, it is reported that this company did not make any extensions to track.

They also report that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

The Huntsville and Lake of Bays Railway Company

This company report that during the year ending December 31st, 1928, they did not make any extensions to track.

They report, however, a total expenditure during the same period on track improvements, overhead structure, rolling stock, buildings, etc., of $552.36.

Hydro-Electric Radial Railway (Essex Division)
(Sandwich, Windsor and Amherstburg Railway)

It is reported by the Hydro-Electric Power Commission of Ontario that during the year ending December 31st, 1928, there were extensions made to the tracks of this railway of 3.583 miles, at a cost of $190,000.00.

It is also reported by the Commission that during the same period there was an expenditure made on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $120,000.00.

The International Railway Company (Niagara Falls Park and River Division)

During the year ending December 31st, 1928, it is reported by this company that they did not make any extensions to track.

They report, however, during the same period an expenditure of $13,973.95 for equipping four open trailer cars for motor operation. This work was commenced in the previous year.

The International Transit Company

This company report that during the year ending December 31st, 1928, they did not make any track extensions.

They also report that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

Kingston, Portsmouth and Cataraqui Electric Railway Company

During the year ending December 31st, 1928, it is reported by this company that they did not make any extensions to track.

They also report that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, except for repairs only.

Kitchener-Waterloo Street Railway

It is reported by this company that during the year ending December 31st, 1928, they did not make any track extensions.

It is also reported that during the same period they did not make any expenditure on track improvements, rolling stock, buildings, machinery, etc. (Included in this is what was formerly known as the Kitchener-Bridgeport Street Railway.)

Lake Huron and Northern Ontario Railway

During the year ending December 31st, 1928, this company did not make any extensions to track.

They did not make any expenditure on track improvements, overhead structure, rolling stock, etc.

This railway is not being operated at the present time.

London Street Railway Company

During the year ending December 31st, 1928, it is reported by this company that they did not make any extensions to track.

They report a total expenditure during the same period on track improvements, overhead structure, rolling stock, machinery, etc., of $24,396.85.

The Midland-Simcoe Railway Company

During the year December 31st, 1927, to December 31st, 1928, it is reported that two miles of sidings and turnouts were constructed at a cost of $70,000.00.

It is also reported that during the same period they made a total expenditure on track improvements, overhead structure, rolling stock, etc., including purchase of right-of-way, $300.000.

Mount McKay and Kakabeka Falls Railway Company

It is reported that this company during the year ending December 31st, 1928, did not make any extensions to track.

During the same period it is also reported that they did not make any expenditure on track improvements, rolling stock, buildings, machinrey, etc.

This road is leased and operated by the City of Fort William.

Niagara Peninsular Railway

During the year December 31st, 1927, to December 31st, 1928, it is reported that no extensions were made to track. The tracks of this railway were connected with those of the Niagara, St. Catharines and Toronto Railway Company during this period but at the expense of the latter, and not regarded as an extension of the Niagara Peninsular Railway.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, etc.

The Peterborough Radial Railway

The Hydro-Electric Power Commission of Ontario report that the above railway is not now in use, operations having been discontinued on the 1st of April, 1927.

Port Arthur Civic Railway

During the year ending December 31st, 1928, it is reported that no extensions were made to the track of this railway.

It is reported, however, that during the same period a total expenditure was made on track improvements, overhead structure, rolling stock, etc., of $5,196.77.

Sarnia Street Railway Company, Limited

During the year ending December 31st, 1928, it is reported by this company that they did not make any extension to track.

They report during the same period, however, a total expenditure on track improvements, overhead structure, rolling stock, machinery, etc., of $8,298.30.

Sudbury-Copper Cliff Suburban Electric Railway

It is reported that during the year December 31st, 1927, to December 31st, 1928, this company did not make any track extensions.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, etc., except two cars costing $2,500.00.

Temiskaming and Northern Ontario Railway

During the year December 31st, 1927, to December 31st, 1928, it is reported by the Temiskaming and Northern Ontario Railway Commission that they extended the tracks of the above railway at a cost of $669,295.00.

They also report a total expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $110,996.88.

Thurlow Railway Company

It is reported that during the year ending December 31st, 1928, this company did not make any extensions to track.

It is also reported that during the same period under the heading of expenditure on track improvements, overhead structure, rolling stock, buildings, etc., they spent $22,499.54 on electrification of the railway.

The Toronto Transportation Commission

It is reported by this Commission that during the year ending December 31st, 1928, they made extensions to track of 25,230 miles at a cost of $1,903,567.33.

It is also reported that during the same period they made a total expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $904,189.15.

Toronto Radial Railways

During the year December 31st, 1927, to December 31st, 1928, it is reported by the Toronto Transportation Commission, now operating the above railways, that extensions to track were made at a cost of $15,891.58.

It is also reported that during the same period a total expenditure was made on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $10,094.38.

The Township of York and Weston Railways

It is reported by the Toronto Transportation Commission, now operating the above railways, that during the year ending 31st December, 1928, they did not make any extensions to track.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

The Wentworth Incline Railway, Limited

It is reported by this company that they did not make any extensions to track during the year ending December 31st, 1928.

They also report that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

ELECTRIC, STEAM AND INCLINE RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING 31ST DECEMBER, 1928

No.	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. Power Houses		Remarks
								Steam	Water	
		miles	miles	miles	miles	miles	miles			
*1	Buffalo & Fort Erie Ferry & Railway Company	2.71	.....	2.71	.89	3.60	.....	.....	.....	.....
2	Cornwall Street Railway, Light and Power Company, Ltd.	4.	.....	4.	2.	6.	.....	.....	1	Power purchased from St. Lawrence Power Co.
3	Fort William Electric Ry.	4.935	19.695	24.630	.866	25.496	.....	.....	.....	Power purchased from Hydro-Electric Power Commission, Fort William.
†4	Guelph Radial	8.49	.....	8.49	1.56	10.05	.....	.....	.....	Power purchased from Light and Heat Commissioners, Guelph.
5	Hamilton Street	18.	16.3	34.3	.....	34.3	.....	.....	.....	Power purchased from Hamilton Cataract Power, Light & Traction Company, Ltd.
6	Hamilton and Dundas	5.85	.20	6.05	1.60	7.65	.....	.....	.....	Not in operation at present.
7	Hamilton, Grimsby & Beamsville Electric	22.6	.....	22.6	3.6	26.2	.....	.....	.....	Power purchased from Hamilton Cataract Power, Light & Traction Co., Ltd.
*8	Hamilton & Barton (Incline)	.12	.12	.24	.....	.24	.....	1	.....	At head of Incline.
*9	Huntsville and Lake of Bays	1.45	.....	1.45	.31	1.76	.....	.....	.....	.....
†10	Hydro-Electric Radials (Essex Division) S.W. & A. Ry.	43.933	12.542	56.475	3.977	60.452	.....	.....	.....	Power purchased from Hydro-Electric Power Commission of Ontario.
11	International Rly. (Niagara Falls Park & River Division)	11.649	11.069	22.718	1.314	24.032	.....	.....	1	.....
12	International Transit	3.80	1.17	4.97	.09	5.06	.....	.....	.....	Power purchased from the Great Lakes Power Co., Ltd.
13	Kingston, Portsmouth & Cataraqui Electric	6.	2.	8.	.....	8.	.....	.....	.....	Power purchased from City of Kingston.
14	Kitchener-Waterloo Street Ry.	6.55	2.86	9.41	.84	10.25	.....	.....	.....	Power purchased from Hydro-Electric Power Commission of Ontario.

*15	Lake Huron and Northern Ontario Railway	16.	.....	16.	1.	17.	.....	.....	.....	Not in operation at present.
16	London Street Railway	26.73	7.64	34.37	.98	35.35	.....	.....	.....	Power purchased from the Public Utilities Commission, London.
*17	Midland Simcoe Railway Co.	1.	.....	1.	4.	5.	.....	.....	.....	.....
18	Mount McKay and Kakabeka Falls	5.	.....	5.	1.50	6.50	.....	.....	.....	Leased to and operated by City of Fort William.
*19	Niagara Peninsular	3.325	.....	3.325	2.115	5.440	.....	.....	.....	.....
20	Peterborough Radial Ry	.....	.....	.....	.....	.....	.....	.....	.....	Operation discontinued April 1st, 1927.
21	Port Arthur Municipal Ry	13.43	6.10	19.53	1.04	20.57	.....	.....	.....	Power purchased from Hydro-Electric Power Commission of Ontario.
22	Sarnia Street Ry. Co., Ltd	4.50	4.50	9.	.25	9.25	.....	.....	.....	One Hydro-Electric Power House. Power purchased from Hydro-Electric Power System of Sarnia.
23	Sudbury-Copper Cliff Suburban Electric	7.9	.....	7.9	.03	8.2	.....	.....	1	Power purchased from Wahnapitae Power Company.
*24	Temiskaming & Northern Ontario Railway	388.50	1.70	390.20	131.15	521.35	54.7	1	.....	At North Bay. Power purchased from Hydro-Electric Power Commission of Ontario, Northern Ontario Power Co., Ltd., and Public Utilities Commission, Town of Cochrane.
*25	Thurlow Railway	2.671	.....	2.671	4.666	7.337	.....	.....	.....	.....
26	Toronto Transportation Commission	120.958	101.452	222.410	32.411	254.821	.....	.....	.....	Power purchased from the Toronto Hydro-Electric System.
‡27	Toronto Radial Railways	48.768	.685	49.453	11.091	60.544	.....	.....	.....	Power purchased from Hydro-Electric Power Commission of Ontario.
‡28	Township of York and Weston Railways	7.052	5.978	13.030	.144	13.174	.....	.....	.....	Power purchased from the Toronto Transportation Commission.

See notes.

ELECTRIC, STEAM AND INCLINE RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING 31ST DECEMBER, 1928—Con.

No.	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. Power Houses		Remarks
								Steam	Water	
§29	Wentworth Incline Ry., Ltd..	miles .14	miles .14	miles .28	miles	miles .28	miles	.....	.....	Power purchased from Hamilton Hydro-Electric System. One electric power house, Mountain Top, Hamilton.
	Total.....	786.061	194.151	980.212	207.424	1,187.906	54.7	2	3	

*Steam railways.
§Formerly Hamilton Mountain Park Company, Ltd.
†Operated by Hydro-Electric Power Commission of Ontario.
‡Operated by The Toronto Transportation Commission, the Toronto and York Radial Railways having been taken over on January 12th, 1927.

TABULATED SUMMARY OF ACCIDENT REPORTS RECEIVED IN 1928

Passengers		Employees		Travellers on Highway		Travellers at Crossing		Trespassers		Total	
Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
2	655	1	1	28	192	.....	.....	.....	.....	31	848

LONDON, 1928

Accidents on London Street Railway
From January 1st to December 31st, 1928

	January	February	March	April	May	June	July	August	September	October	November	December	Total.
Collisions with cars	Nil	2	1	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	4
Collisions with autos	43	21	36	43	33	29	52	50	30	68	25	35	465
Collisions with motorcycles and bicycles	1	1	2	Nil	1	Nil	2	Nil	1	Nil	2	1	11
Collisions with wagons	Nil	Nil	Nil	1	Nil	1	1	2	1	2	1	3	12
Boarding cars	Nil	1	3	2	Nil	Nil	1	1	2	2	1	1	14
Alighting from cars	Nil	1	11	4	Nil	Nil	2	6	1	5	1	1	32
Derailment of cars	Nil	Nil	1	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2
Miscellaneous	2	Nil	5	2	3	Nil	3	4	2	1	Nil	1	23
Total, all accidents	46	26	59	52	38	30	62	63	37	78	30	42	563
Personal injuries, all degrees:													
To passengers	1	1	8	6	2	Nil	2	7	3	4	1	2	37
To others	Nil	Nil	2	3	2	1	6	3	2	1	Nil	1	21
Total	1	1	10	9	4	1	8	10	5	5	1	3	58
Fatal accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

HAMILTON, 1928

Accidents on Hamilton Street Railway and Hamilton, Grimsby and Beamsville Electric Railway Lines
From January 1st to December 31st, 1928

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Collisions with cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Collisions with autos	44	24	38	40	32	53	34	51	52	60	56	69	553
Collisions with motorcycles and bicycles	Nil	Nil	Nil	Nil	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil	2
Collisions with wagons	2	1	3	3	1	1	2	Nil	1	1	2	1	18
Boarding cars	Nil	Nil	1	1	Nil	1	Nil	1	Nil	Nil	Nil	1	5
Alighting from cars	1	3	Nil	2	2	1	1	2	Nil	1	Nil	Nil	13
Derailment of cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Miscellaneous	Nil	1	1	1	1	Nil	Nil	2	1	Nil	2	2	11
Total	47	29	43	47	36	56	39	56	54	62	60	73	602
Personal injuries, all degrees:													
To passengers	1	3	1	3	3	2	1	4	Nil	1	Nil	1	20
To others	Nil	1	1	1	Nil	Nil	2	2	1	Nil	2	2	12
Total	1	4	2	4	3	2	3	6	1	1	2	3	32
Fatal accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	1
Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	1

TORONTO, 1928

Summary by months of all accidents on lines of the Toronto Transportation Commission from January 1st to December 31st, 1928

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Collisions with cars	Nil	2	Nil	4	1	1	2	4	4	2	2	4	26
Collisions with autos	338	285	375	365	261	305	285	375	280	382	400	418	4,069
Collisions with motorcycles and bicycles	4	2	4	7	4	4	7	7	5	3	6	4	57
Collisions with wagons	11	11	9	6	9	8	6	10	11	13	8	13	115
Boarding cars	10	12	9	11	14	9	4	6	7	7	8	9	106
Alighting from cars	13	9	15	17	15	9	9	12	6	13	12	12	142
Falling within cars	43	50	36	25	13	17	22	20	16	27	29	30	328
Derailment of cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Miscellaneous	39	36	50	29	34	36	34	34	31	56	44	43	466
Total, all accidents	458	407	498	464	351	389	369	468	360	503	509	533	5,309
Personal injuries, all degrees:													
To passengers	48	60	46	61	50	41	44	54	51	67	59	59	640
To others	14	13	21	3	13	13	8	13	16	21	8	15	158
Total	62	73	67	64	63	54	52	67	67	88	67	74	798
Fatal accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	Nil	1	2
To others	Nil	1	1	1	2	Nil	1	1	3	1	6	Nil	17
Total	Nil	1	1	1	2	Nil	1	1	3	2	6	1	19

INDEX TO RAILWAY LEGISLATION

(List No. 2)

The following index has been made with the object of continuing in chronological order all the legislation passed by the Dominion and Provincial Governments since 1867, affecting railways situated wholly or partially within the Province of Ontario.

"List No. 2" was commenced on page 272 of our Ninth Annual Report (1914), and is continued on page 131 and following pages of our Annual Report for 1924, and on pages 162, 1925; 146, 1926, and 178, 1927, and in the following list up to and inclusive of 1928.

	Chap.	Year
Canadian National Railways:		
Dominion Statute	11	1928
Act respecting, and respecting the Canadian Northern Railway Company 5 per cent. income charge convertible debenture stock.		
Detroit River Canadian Bridge Company:		
Dominion Statute	58	1928
An Act to incorporate.		
Hamilton, Grimsby and Beamsville Railway Company:		
Ontario Statute	98	1928
Act respecting—re fares.		
Niagara Falls Suspension Bridge Company:		
Ontario Statute	115	1928
Act respecting—Assessment $175,000 ten years.		
Nipissing Central Railway Company:		
Dominion Statute	63	1928
Act respecting.		
St. Clair Transit Company:		
Dominion Statute	64	1928
Act to incorporate.		
The Toronto Terminal Railway Company:		
Dominion Statute	51	1928
Act respecting.		
Windsor, Essex and Lake Shore Rapid Railway:		
Ontario Statute	99	1928
An Act to authorize the purchase and operation.		

FORMS

FORM THAT MAY BE USED IN CONNECTION WITH THE EXAMINATION OF MOTORMEN

Name of City or Town.

.....192 .

NAME OF RAILWAY

This is to certify that, acting under The Railway Act, 1927, R.S.O., chapter 224, section 265, I have fully examined the.....who is.....years of age and.....feet.....inches high, weighs.....lbs., complexion....., as to his fitness as a motorman, that the said..... .....is of steady habits, and is in physical ability, intelligence and general knowledge of, and experience in, this work qualified to act as motorman on any electric motor car of said Company.

I have been duly appointed an examiner under the said Act, my appointment being dated .....

Name.....
Examiner.

FORM TO BE USED BY COMPANIES IN REPORTING ACCIDENTS

ACCIDENTS: Regulations Under and in Pursuance of Sections 275 and 276 of "The Railway Act, 1927." R.S.O., Chapter 224.

ACCIDENTS.—Every company upon the happening of an accident shall give to the Ontario Railway and Municipal Board notice thereof in writing by delivering the same at the office of the Board in the City of Toronto or by mailing it, postage prepaid, in a registered letter addressed to the Board.

Such notice shall contain a statement signed by a duly authorized officer of such company, setting forth the information and particulars hereinafter mentioned.

Such statement shall be divided into paragraphs, each of which shall include and refer to one (or one group) only of the numbered particulars hereinafter mentioned, and the paragraph referring to each respective numbered particular shall bear the number corresponding to the number hereinafter given for each such particular.

The numbers of paragraphs and the particulars to which each shall refer as aforesaid, are as follows:—

1. Name or names of company or companies concerned in accident.
2. Numbers of train, engine, car or motor.
3. Date and time of accident.
4. Nature of accident.
5. Exact location.
6. Name in full, address and legal addition of each person injured or killed.
7. Age.
8. Married or single.
9. Passenger, employee or other.
10. If employee, length and nature of service with dates and periods of different occupations (if more than one).
11. If employee, character, experience, skill and fitness with respect to occupation at time of accident.
12. How engaged at time of accident, and how long on duty.
13. Cause of accident, how same occurred, with full particulars and details, and diagram if required.
14. Persons in charge, with full names, addresses and the particulars referred to in paragraphs 10, 11 and 12.
15. Result to person and particulars of injury.
16. Result to property, including amount of damage.
17. Names and addresses of all persons present at, or eye-witnesses of, the accident.
18. What investigation (if any), and result of same.
19. Verdict (if any).

The Board reserves the right to require such further and other details, particulars, maps, plans, profiles, documents, models and information or illustration of any kind as to the nature of the accident and a full understanding thereof may suggest or require.

In pursuance of sections 275 and 276 of said Act, the Board declares that all such information so given in pursuance of this regulation shall be privileged.

Signature of Officer.

N.B.—Give name of officer who fills out this report.

REGULATIONS

REGULATION AS TO HEIGHT OF CAR STEPS

Under and in pursuance of a certain order of the Board bearing date the 2nd day of June, A.D. 1909, The Ontario Railway and Municipal Board made the following regulations:

The steps on all cars hereafter constructed and used by The Toronto Railway Company and all other street and electric railways under the jurisdiction of this Board shall have steps conforming to the following regulations:

On closed single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches.

On closed double truck cars the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches.

On open single truck cars the height of the first step above the ground shall be not less than twelve nor more than fifteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and nine inches respectively.

On open double truck cars, the height of the first step above the ground shall be not less than fourteen nor more than sixteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and fourteen inches respectively.

REGULATION RE DRINKING WATER ON PASSENGER CARS

Every Electric Railway Company in Ontario, subject to the jurisdiction of the Board, shall provide in each passenger car which runs 20 miles or more, a suitable receptacle for water with paper cups attached upon or near such receptacle, and shall keep such receptacle, while the car is in use, constantly supplied with cool drinking water for the use of passengers and the conductor and motorman in charge of such car.

This regulation shall not apply to street railways in towns or cities.

(Sgd.) C. R. McKeown,
Chairman.
(Sgd.) A. B. Ingram,
Vice-Chairman.
(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto, this 10th day of April, A.D. 1928.

CANADIAN NATIONAL SAFETY LEAGUE

ONTARIO SAFETY LEAGUE
1928

The Ontario Railway and Municipal Board is of the opinion that it should give its share of publicity in its Annual Report to some of the work done by these two Safety Leagues, as their success in preventing accidents largely depends upon the amount of publicity given to their energetic work.

Synopsis, 1928 Campaign, Ontario Safety League

Nineteen twenty-eight completed the fifteenth year of the League's Campaign in Safety Work.

In our School Safety Essay Competition, $600.00 was distributed in cash prizes.

For the Drawing Contest, $320.00 was distributed in cash prizes.

Special Safety Lessons were given to 148,000 pupils in 452 schools in 115 different cities, towns and villages.

Safety slides and films were shown in a number of motion-picture theatres and safety talks were broadcast by radio.

Some 12,000 of our safety calendars, dealing with the aquatic, traffic, fire and industrial hazards were sold and distributed throughout the Province.

Besides a safety card distributed to motorists with each pair of 1928 markers, there were special signs dealing with the traffic hazard erected in cities, towns, villages and rural districts.

The following is a list of over one million pieces of literature distributed throughout the year:

53,900 Industrial Bulletins.
60,600 Special Bulletins.
79,000 Traffic Bulletins.
530,000 Cards to Motorists.
171,200 School Bulletins.
200,000 Letters to Parents.
9,400 Special Cards and Reports.
12,000 Safety Calendars.
31,200 Circulars and Circular Letters, and
500 School Traffic Signs.

ONTARIO SAFETY LEAGUE RECORDS

City of Toronto

Accidents for the Years 1927 and 1928

Cause	1927		1928		Fatalities	
	Fatal	Non-Fatal	Fatal	Non-Fatal	Decrease	Increase
Falls	84	750	99	602	.....	15
Automotive vehicles	71	815	64	1,001	7	.....
Asphyxia	18	64	20	69	.....	2
Burns, scalds	14	92	15	83	.....	1
Street cars	6	41	9	39	.....	3
Drowning	8	57	15	112	.....	7
Electrocution	3	6	2	10	1	.....
Elevator	.....	13	6	26	.....	6
Machinery	1	133	1	111	.....	.....
Poisoning	1	22	10	8	.....	9
Railroad	8	11	4	8	4	.....
Strangulation, suffocation	4	.....	6	.....	.....	2
Bicycle	2	66	4	81	.....	2
Struck by falling, flying object	2	182	6	185	.....	4
Injured by animals	1	48	2	55	.....	1
Septic poisoning	3	8	2	4	1	.....
Fracture, sprain, etc	.....	135	1	121	.....	1
Fires	5	57	6	70	.....	1
Horse vehicle	2	22	2	39	.....	.....
Crushed	4	34	3	22	1	.....
Firearms	3	11	1	7	2	.....
Injured by cutting, piercing	.....	218	.....	100	.....	.....
Injured in athletic games, sports, etc	.....	110	1	101	.....	1
Explosion	3	21	3	26	.....	.....
Coasting, skating	.....	33	1	17	.....	1
Hand and foot injury	.....	341	.....	150	.....	.....
Injured at work (no particulars)	.....	50	.....	27	.....	.....
Cave-in	.....	3	1	10	.....	1
Swallowed foreign object	1	8	1	9	.....	.....
Bathing, diving	.....	1	.....	4	.....	.....
Struck, object moving or stationary	.....	11	.....	9	.....	.....
Injured by compressed air	1	.....	.....	.....	1	.....
Injured in collapses	1	25	.....	14	1	.....
Injured at play	.....	1	.....	1	.....	.....
Exposure	.....	17	.....	.....	.....	.....
Injured by fireworks	.....	.....	.....	4	.....	.....
Total	246	3,406	285	3,125	18	57

PROVINCE OF ONTARIO

Accidents for the Years 1927 and 1928

Cause	1927		1928		Fatalities	
	Fatal	Non-Fatal	Fatal	Non-Fatal	Decrease	Increase
Automotive vehicles	422	3,976	477	5,397	.....	55
Drownings	318	356	382	417	.....	64
Falls	195	1,526	240	1,272	.....	45
Railroad	110	171	97	136	13	.....
Fires	41	189	64	237	.....	23
Burns, scalds	60	212	77	231	.....	17
Asphyxia	43	125	33	162	10	.....
Horse vehicle	23	187	36	146	.....	13
Firearms	36	75	35	79	1	.....
Struck by falling, flying object	24	326	48	371	.....	24
Machinery	27	329	13	295	14	.....
Injured by animals	31	233	20	285	11	.....
Street cars	14	70	19	81	.....	5
Crushed	33	84	23	61	10	.....
Poisoning	8	41	17	26	.....	9
Electrocution	21	34	25	34	.....	4
Explosion	15	129	18	113	.....	3
Strangulation, suffocation	8	2	12	4	.....	4
Elevator	5	19	10	50	.....	5
Septic poisoning	30	25	24	16	6	.....
Bicycle	6	133	14	188	.....	8
Cave-in	8	28	16	47	.....	8
Struck, object moving or stationary	1	28	3	16	.....	2
Injured in collapses	7	54	12	70	.....	5
Injured in athletic games, sports, etc.	7	240	6	244	1	.....
Aeroplane	2	8	8	23	.....	6
Injured by farm implements	9	41	5	16	4	.....
Exposure	7	34	9	8	.....	2
Coasting, skating	7	88	7	60	.....	.....
Injured at work (no particulars)	6	70	1	35	5	.....
Injured by cutting, piercing	2	315	.....	151	2	.....
Swallowed foreign object	1	17	3	25	.....	2
Injured at play	.....	2	.....	1	.....	.....
Fracture	4	240	4	193	.....	.....
Hand and foot injury	.....	429	.....	202	.....	.....
Mine, quarry	13	10	63	44	.....	50
Swimming, bathing, diving	3	9	2	10	1	.....
Injured by compressed air	1	1	.....	1	1	.....
Motor launch	.....	.....	.....	1	.....	.....
Injured by fireworks	.....	7	.....	9	.....	.....
Ice boat	.....	2	.....	.....	.....	.....
Total	1,548	9,865	1,823	10,757	79	354

WHEN DRIVING EXERCISE CARE—COURTESY—COMMONSENSE

We in Ontario are concerned with the problem of safety on the highways. The Ontario Safety League is engaged in a constant effort to make our highways as safe as possible for drivers and passengers of all vehicles, and for pedestrians as well. In this effort we seek your co-operation and ask you in driving to exercise CARE, COURTESY and COMMONSENSE.

1. ACCIDENTS—Severe penalties are provided for not returning to the scene of an accident and giving (in writing, if requested) name and address, number of drivers' license, and permit number of car.

2. SPEED—In cities, towns and villages the speed limit is 20 miles an hour. In open country, 35 miles an hour. The legal limits do not mean these speeds may be maintained regardless of conditions. Motorists always must drive carefully.

3. RIGHT-OF-WAY—The vehicle to the right has the right-of-way.

4. BRAKES—Always have brakes and steering gear in perfect mechanical shape. Officers are authorized to stop cars to test brakes.

5. SIGNALS—Always signal before you slow down, stop or turn. Before you back up, be sure the road behind you is clear.

6. LIGHTS—Two lights in front and one (red) to the rear are required. Lights must NOT GLARE and must be fitted with not more than 21 candlepower bulbs. Never drive at night without both headlights. Use of spotlights is prohibited. Carry spare bulbs. Have your lights tested for glare.

7. INTOXICATED DRIVERS—In Ontario intoxicated drivers go to jail. The minimum penalty for driving while intoxicated is 7 (seven) days in jail without the option of a fine, and suspension of Operator's License and license of car.

8. AGE OF DRIVERS—No person under sixteen years is allowed to operate a motor vehicle on Ontario highways.

9. STREET CARS—Stop at least six feet to rear of doors when passengers are boarding or alighting.

10. THROUGH HIGHWAYS—Where "Through Highways" or "Through Streets" are designated, or where there are stop signs, vehicles must be brought to a full stop immediately before entering or crossing. In Ontario "Stop" means STOP. In entering a main highway where there is no stop sign—be cautious.

"THE LEVEL CROSSING HAZARD"

Hon. H. A. McKeown, K.C., Chief Commissioner,
Board of Railway Commissioners, Canada

Given before the Tenth Annual Meeting of the Canadian National Safety League, and Fifteenth Annual Meeting of the Ontario Safety League, at the Chateau Laurier, Ottawa, Friday, February 15th, 1929

Mr. Chairman, Hon. Mrs. Smith, Ladies and Gentlemen:

I can assure you I have no idea of shattering whatever good opinion you have of me by availing myself of the suggestion of your Chairman and taking any inordinate time in addressing you on the subject.

The duties which the Board of Railway Commissioners have to accomplish are very many and very different. I suppose the one they perhaps come in most frequently to public notice is when clothes as a rate tribulan and listening to clamors and disputes about rates in regard to express and freight, and sometimes street railways and sometimes in connection with telephones. But these do not give the Board very much trouble. The duties they have to perform in this connection are of a clerical nature and I can assure you they do not weigh heavily upon the Board. There are other duties, however, which cannot be so lightly cast aside.

The Board of Railway Commissioners does not construct, but when a railway company gets a charter from the Hill it has to build the railway under the eye of the Board and under its directions. It has to lay before the Board in the first place, the route map giving the course of the railway and the terminal points it is going to connect; it has to lay before the Board its location plan to be approved. When it starts to build the track, and vessels and tunnels and work involved in the completion of the road, every item has to come before the engineering department of our Board and has got to be recommended or not for approval to the Board and it has got to be approved by the Board before the company is authorized to go on with construction.

So ultimately, you see, as regards the construction of the railway the Board is responsible for the way constructed and for the different elements which enter into its construction. But not only that, for when it is constructed and built the company cannot move a wheel over the tracks without getting authority from the Board to do so. It must operate under the conditions laid down by the Board, and the Board has engineering and operating departments which have an oversight over these two items of railway work. The work of operation of the railway carries one into the whole matter of time tables, of conveniences, of safety appliances, both on the cars and on the tracks, and all of these things upon which the public relies for safety. These are set up to a standard which the Board adopts, and the construction and operation of the railway are carried on under the immediate eye of these two sections of our Board, which are headed by men who are equal in every degree to the men who stand at the head of the operating and engineering departments of any of the railways, and in whom there is explicit confidence.

If the Board, in its consideration of traffic rates, should make an error or a miscalculation and are ill-advised by the chief operating officer, it is an unimportant matter and can be rectified immediately. If the railways have been allowed to charge too much, the rates can be adjusted through proper channels; if they charge too little, and I never heard of it, it can be arranged in order to give remedy.

But if mistakes are made in the other departments to which I have alluded, the engineering and operating departments, comes the disquieting circumstance of a telegram, for every accident involving light or great fatality must be immediately sent by those on the train to the Board, and there comes then the disquieting news of an accident, the consequence of which has some effect

upon us—a life has been taken or somebody has been maimed and will continue on in his journey through life with disability. Those are the things that weigh most heavily on the Board. These are the class of things in which the Board feels a responsibility very much greater than the responsibility attached to the exercise of those functions which are perhaps more commonly before the eyes of the public.

Now, as regards these matters, each one of them could form the topic of a conversation between us this evening for a longer time than propriety would admit or allow, I welcome the opportunity of taking the public into the confidence of the Board and acquainting it as fully as possible with the routine of the Board and the way it accomplishes that routine.

To-night, however, on your invitation, I am going to touch on just one phase of the work of the Board, an important phase, of course, and one which I feel I will have to hurry along with in order to compass what I desire to say in the space of time it would be proper for me to occupy. I regret a hoarseness, but that is not so bad as if I spoke too long.

Now, the highway and level-crossing situation in this country, when compared with other countries, is not a grave or serious one. It is true it is a menace and many people go down with disability year by year because of it. The same system of recording them has existed for years, but I do not intend to deal with it in a statistical line—we all admit of the seriousness of the situation and that it requires the best thought of all concerned in order to meet that situation, and it is my desire rather to direct your attention to-night to the safeguards which the Board have adopted, and I will attempt to stimulate your thoughts and ask your suggestions to the carrying on of that feature of the work.

There are some 35,000 level railway crossings in Canada, of these, about 10 per cent. are protected, so you see the volume of work which is yet to be done. These crossings, in the last five years, have been taking a toll of life of about one hundred a year or a little over, and about three times as many casualties have occurred at those level crossings in accidents.

Now, I think it is only fair to say that these statistics do not indicate that any substantial number of them are the cause of any negligence on the part of those running the engine. Whether necessary or not to bring it before you to-night, I feel it only fair to say that as far as the work of the engine man and engineer are concerned, if we take the reports of carelessness on their part and accidents consequent thereof, the accidents would be so infinitesimally small that there would be no highway grade crossing necessary. But they do take place, and from year to year they do not grow any less. Now, the Board has exercise of provision over these railway crossings, not only provision, but we must take full responsibility, and there is not a highway crossing in Canada which has not been provided by the Board. A railway cannot construct a crossing without permission of the Board; on the other hand, the highways have no right to cross a railway unless with authority of the Board, so ultimately it comes down to the authority of the Board, and the Board having been given that authority cannot escape responsibility for the situation that exists.

The Board has set up certain standards of safety or accident prevention appliances in order to lessen the casualties which are unfortunately occurring. In the first place, the slackening of speed in certain places, and the Board imposes a regulation on trains running through populace centers to a speed under which the engine is supposed to be under quick control of the man in charge. That slackening of speed is one of the things which the Board has imposed in order to meet the situation. And giving certain warning signals as it approaches the crossing is another. The man in charge of the engine is compelled to give a signal warning as he is approaching a crossing. The whole idea of what is that those approaching the crossing may be warned of an on-coming train. Those things are not done just at the will of the engineer—they are set up as regulations of the Board, and I think it can be said that these are observed strictly.

Then there are certain standard appliances for safety at these places. You are familiar with them. They are supposed to arrest the attention of a person going towards the track. Some of them are of a rather drastic character, that is, where they drop a gate on the highway. One would think a circumstance of that kind would operate in all cases to make an accident impossible when that protective device is in operation—yet it does not. But in connection with these things, such as lights and bells, and in connection with moving zig-zags before the approach of a train, in connection with all of these, we find a non-rushing multitude of drivers of automobiles, the moving spirit of which seems to be a desire to beat the train to a crossing and over the crossing, and in attempting to carry out that idea these accidents occur.

There was placed on my desk the other day the number and causes of accidents that took place at railway crossings in November last. It was rather a striking thing in that it disclosed that in a total of 44 accidents at level crossings in November last, automobiles were involved in 39. I have said I have no intention of burdening your minds or amplifying what I have to say with statistics, but they are always valuable and must be accepted as evidence. Out of 44 accidents, 39 involved automobiles. By running into the sides of trains 18 of these accidents occurred, and in 14 there was admitted carelessness on the part of the driver of the motor, in the other seven the causes were not disclosed sufficiently to make the blame absolute on the driver. But there we have, notwithstanding these means of protection, ladies and gentlemen, there we have a state of mind which cannot be dealt with. I do not believe in those who are charged with the responsibility of meeting that situation, who throw up their hands and say the thing is beyond control. I do not think it is, but I think this: the equipment of twenty years ago is not effective at the present time and consequently we canot look for a lessening of the accidents and casualties by the use of protective equipment which met the situation twenty years ago. We remember when trains

were approached, if not on foot, generally speaking by some person driving a horse and carriage, going at five or ten miles an hour. By the time he got pretty close to the train the horse was the only protective feature he had, because I never knew of a horse with such little sense as to try to beat a train. (Applause.) Certainly it has a good deal more sense than many who are guiding the motor power of vehicles at the present time. At that time the horse would be going at the rate of five or ten miles, and your waggon was open and you could see and hear. But look at the changed conditions under which vehicles approach the crossings at the present time. I would enumerate these changed conditions but you know them, and what I say is you cannot rely upon a protective system which met the conditions twenty years ago and find them doing effective work under the conditions prevailing to-day. And therefore it is the ultimate responsibility upon the Board to see that something else is given to the public and something made available for the public, something to protect the public and the railways from the strong current of traffic which occurs to-day as compared with the slow traffic of twenty years ago.

And there is this to be remembered when dealing with the protection of the public, that it is the public that is to be protected and it is the opinion of the public that the Board desires to have in this regard. I think, speaking generally, the opinion of the man who is frequently approaching the railway track as to what protection should be set up there is as good if not better than opinions got from railway men or even better than the Board of Railway Commissioners in that regard, because you have to take the mentality and frame of mind of the one approaching the train and get his view in order to decide what device or equipment it is advisable to put at the crossing. And for that reason the Board is anxious to talk these matters over at such a meeting as this. We must recognize that your Board, for it is your Board, is endeavouring to meet a public danger, not a danger particularly to our operating officers or railway officials, but it is for the public, and it is from the public we wish suggestions—we desire the criticism of the public upon effectiveness of individual forms of protection, and speaking for myself, once the public favour a certain form of protection, its conditions will permit of it being applied, it will help to shape the policy of the Board.

Well, in connection with the work the Board has to do in preparing these forms of protection, there is the outstanding consideration of grades—that is the great desire of all classes that we have reached the time when consideration should be given to grades, that is by subway or overhead crossings in order to eliminate the danger. But we have not got to that point yet, and I think we have to work along with the situation as it presents itself and the facilities we have to meet the situation, and in regard to that matter may I repeat not once but many times, that the co-operation and suggestions and advice of the public is requested, and it will have an influence in determining the policy of the Board.

Now, there is another feature in connection with the railway crossing situation, and that is the fund available for the department to carry on extra work at these dangerous places. About twenty years ago, four or five years after the Board was created, a railway grade crossing fund was set up by the Dominion Parliament, consisting of $200,000 a year. It was placed at the disposal of the Board for the purpose of aiding in construction of anything that would insure the safety and convenience of the public in regard to these crossings, if the Board finds it is in position to give assistance in connection with the level crossings.

Now, that fund has been building up and going on for twenty years at $200,000 a year, and you will see that is an amount of $4,000,000. In the twenty years which have elapsed, the Board have from time to time made orders from the fund for assistance of the works made of whatever kind at the crossings, whether they were subways or approaches or for other forms of protection, and the Board have given various appropriations of percentages to the cost of construction of these phases of protective work from this Railway Grade Crossing Fund. During the last five years the calls on that fund have been insistent. I may saythat during the first fifteen years of the fund the moneys paid out of that fund were less than half a million dollars—that is against an accumulation of $3,000,000, something less than a million dollars was paid out, and I will give you the reason in a minute. It was on an average of about $30,000 a year we were paying out of the fund for aid and actual construction for the safety of the people on these crossings, but during the last five years there has been paid out of that Railway Crossing Grade Fund for the same purpose $1,638,000 or an average each year of $325,000. There are reasons as to the disparity of these figures I am now showing you but that takes out of the $4,000,000 a little over $2,000,000 which has been expended, leaving a balance of a little under $2,000,000 and against that $2,000,000 there is construction at the present time which will involve a reduction in that amount, but what that will be is uncertain, because where the assistance is given it is a percentage of actual cost, and until that is obtained the percentage cannot be decided. But we find at the present we have that $1,904,000 subject to whatever there may be under construction by order of the Board.

Now, it is the growth of the menace we are dealing with in this particular branch of our work. In 1909, when the fund was first inaugurated, the Board was empowered to give 20 per cent. of what expended in the actual cost of construction, but an amount not exceeding $5,000, and we could not give the $5,000 to more than three crossings in one municipality. In 1919 the figures were changed and we could go up to $15,000 instead of $5,000, and the number of crossings in one municipality was raised from three to six. In 1926 the percentage was raised from 25 per cent. to 40 per cent. and the amount from $15,000 to $25,000, which, you will see, unloosened our strings which bound the fund, and therefore accounts for the large expenditure during the last five years. And last year the amount was raised from $25,000 to $100,000 and the percentage remained at 40 per cent.

So now we are enabled to give from the Railway Grade Crossing Fund in aid of construction for protective work $100,000 or 40 per cent. if the whole work would not be justified.

Now, this signifies in the last five years so much money has been spent that the fund is going down quickly, and while our department is not in a position to advise what amount has been practically appropriated or what encumbered by the work going on, it does not take the foresight of a prophet to see the day or the time come when the accumulation of $4,000,000 will also be wiped out and the Board will have to rely upon the $200,000 annual vote to give assistance to this work. And further, in 1909, the fund was only available for crossings erected prior to April, 1909—crossings since then had no claim upon the fund.

Now, by the legislation of last year, under certain conditions under which the municipality will enter into an agreement satisfactorily to the Board, the Board may permit something out of the fund.

Now, that is the situation as to the fund. I would like to say that the Board has endeavoured, by conversation and otherwise to enlist the sympathy of the provinces as regards this fund There is now and has been since that legislation started a provision in the Act, that in case any province desires to contribute to this fund the Board is empowered to distribute it in the same way in regards to whatever limitations placed upon the contribution that the province wishes in making such contribution. There has been an effort to create an atmosphere as between the different provinces and the Board in which this fund may be augmented by provincial contributions, and I am pleased to say that we are not without hope in this regard and that in this great work we are discussing to-night the Board is not without reason to look for provincial aid in that particular. I am not in a position to say what it means but I noticed in the speech from the Throne, which was delivered at the opening of the Provincial Legislative Assembly at Quebec, that the Government of the day in that province put in the mouth of the Lieutenant-Governor of the province that the Government cannot ignore the number and gravity of accidents occurring at railway crossings and they be pleased to co-operate with the Federal Government to bring about the gradual disappearance of those level crossings on the main highways and exposed places.

Now, I do not know what that means, but there is a great vision in that, a vision worthy of the grand old Province of Quebec. If the provinces of Canada will co-operate with the Federal Government to bring about the disappearance of the level crossings it is as great a work as possible to perform.

Speaking for the Province in which I am more interested and in which I hold my citizenship, New Brunswick, I understand something is being done there in that connection. With great pleasure I notice here Hon. Mr. Tilley, a member of the Government of that province, and I am proud to know that New Brunswick is about to take this step. That is the only province I feel at liberty to talk to in a dictatorial way, but I do not like to do that in other provinces.

If such a movement would take place in a general way we might look forward to a consummation of a situation in which the difficulties of the present level crossings can be very materially removed. The Board has no object but to serve the public in the best way possible. It has no predilection to throw to the wind effective measures that may be proposed to take the place of those under which accidents are occurring at present, and Sir, the Board has a strong desire to see the Federal Government, which has evidenced its interest in the work with an annual grant of $200,000 and the provincial governments co-operate with assistance, and through the combined efforts of these we may soon realize the fulfilment of our highest hopes.

"THE LEVEL CROSSING HAZARD"

By Mr. Best

Discussion of Judge McKeown's address on the "Level Crossing Hazard" was followed by Mr. W. L. Best, Legislative Representative, Brotherhood of Locomotive Firemen and Enginemen.

Mr. Chairman, Distinguished Guests and Ladies and Gentlemen:

The subject which Mr. McKeown has opened and thrust upon me by the Chairman to continue is perhaps one of the most vital questions affecting not only the men engaged in handling the commerce of Canada and the travelling public but one, I think, that has become more and more important and one in which the people are becoming more and more concerned. It is, of course, unnecessary for me to say that it is occupying the public mind, as a result of the introduction of the motor car, by the improvement of the highways and the consequent speed of the motors and the inevitable result of that indifference and apathy in attention to the level crossing which characterizes so many taking charge of the motor car.

I want to thank you, Mr. Chairman, and to thank very kindly the Canadian National Safety League for inviting us humble representatives of the Railway Brotherhoods to attend this meeting this evening. It has been a real pleasure since acknowledging receipt of the invitation right up to this moment. I had hoped that my part would be as one of the listeners, for I have developed that better than that of being a speaker. But, as the Chairman has stated, the problem is one that has been very close to us in our activities in the last few years, and it is one that vitally concerns the men we represent in operating railways over forty thousand miles in Canada. I was very much struck with the reference the Chief Commissioner made to the mistakes that are made. There are people outside the Board, of course, who make mistakes, and the mental attitude of

the average citizen on mistakes depends very large on who makes them. I came across something to-day in a newspaper which emphasizes the difference in mistakes, and it is an article in which the editor said if the lawyer made a mistake it was just what he wanted because he could try the case over again; if a judge made a mistake it became the law of the land; if the doctor made a mistake—well, he buried it; if a preacher made a mistake we would not know the difference, but if the editor made a mistake, GOOD NIGHT! (Laughter.) I might add to that if a railway man makes a mistake he would be apt to go behind the bars.

It is surprising the number of men handling our modern railway trains who have to attend coroners' inquests because lives have been snuffed out in the twinkling of an eye. From the time the locomotive whistles for a crossing it just takes about fifteen seconds to hit that crossing after whistling forty rods away from it. And let me tell you that some of our engine men on our modern locomotives in the last two years had to be taken off their locomotives before their divisional point was reached because of the nervous strain brought about by his train nearly striking a motor in which there would be some sweet lady with kiddies who thought it would be clever to beat the locomotive, but in some cases the engine man was unable to work for several weeks afterwards. It is very undesirable that they do such things, because no one knows the nervous strain put upon the man on whom there is placed so much responsibility, and it must reflect itself in that man's future efforts or service and make his liability to err just that much greater by reason of the shock to his nerves.

So that in dealing with the subject, the Chief Commissioner has made it easier because he had given such an outline of the facts, which are, that the railway crossings are there and communities and organizations must consider those dangers. And the startling fact is that over one hundred lives are snuffed out each year. There was more than that number in 1928 in ten months. I have not seen the figures for 1929 yet. But someone is responsible. The Chief Commissioner referred to the responsibility for the accidents being largely on themselves. It is true there were many crossings before the creation of the Board—many towns have grown up around the railways, and equally true the railways have gone through new municipalities, municipalities organized after the railway was constructed—so in that way there is also responsibility for the measures that should be taken in the future to cope with these outstanding facts which have been so vividly placed before us.

It is not my purpose to deal with the responsibility of these things as they are or the railway crossings as they are, but I would like to point out some measures taken in the last two years and growing out of the introduction of motors, with a view of improving the highways because so comparatively few of our citizens realize the measures to be taken are somewhat complicated. There is mixed jurisdiction—that is, the Federal Government can do certain things, and the Provincial Government can do certain things, and the Board of Railway Commissioners have certain limits placed upon them by our constitution, the British North America Act, because there are certain things that lie within the competence of the provincial legislatures. Therefore, in regulating traffic and saying a man shall not run more than sixty miles an hour, that is up to the highway department of the Provincial Government, and whether or not he shall not stop at a railway crossing. We should understand that and be able to differentiate between what comes under the respective governments, and because of this we have had to meet these conditions and it devolved upon me in two or three years to meet representatives of some of the provinces between Prince Edward Island and Vancouver. Up to the present we have had the same question with seven governments with a view of placing this responsibility to where it belongs in order that practical measures may be taken to cope with these things as we find them. You may appoint committees but they cannot do more than what is accomplished here to-night. They can count up the level crossings and the number of accidents occurring, but if we spoke on that and continued to give people information and no one assumed the right responsibility then matters would go on getting no better, but they must get wise because the newspapers have told us that the estimate of construction of cars on the North American continent in 1929 is 5,400,000. Even if 2,000,000 of those are replacements, we have thrown before us further facts which are going to magnify and intensify the importance of the hazards we have heard about to-night, because in the province in which we live approximately 50,000 motor cars pass a given point in a twenty-four-hour period, so you can realize what we are up against in our liability in Canada.

I believe this should be an opportunity of telling some of the brotherhoods of the measures we have taken to protect the public and to invite the suggestion of practical measure. We believe the measures we have suggested have been practical.

In 1926, the Federal Government, pursuant to request of the Railway Brotherhood and Railway Board, amended the Railway Act increasing the Railway Grade Crossing Fund to 40 per cent., but there was a limitation that there would not be more than $25,000 to any one crossing. What does that mean? It means if the crossing costs $100,000 only 25 per cent. would come from the Government, and the balance of 75 per cent. must be provided as the Board determines, between the municipalities. And it was only last year that the Act was again amended which took away from section 262 of the Railway Act the restriction to that limitation of 25 per cent., and 40 per cent. is given now, so that any municipality can avail themselves now of that out of the fund to be used to protect the railway crossings or entirely eliminate them, which is the only really safe measure. I want to emphasize that, for there is the only real measure, others are only half-way measures, no matter how dealt with. The evidence of that is borne out by the Board's figures showing the number of accidents which occurred at the majority of protected crossings and at the unprotected crossings, and when I tell you motorists are going through gates

and switching cars you will see how it increases the seriousness of the hazard, and how the Board or the railways themselves can cope with that situation is hard to say unless someone on whom responsibility rests will govern and regulate the motor vehicle which uses the highway.

Taking the matter up with the Provincial Government our proposal is first to make a stop law. That has been presented to every provincial government. Legal men will know what difficulties are involved in that. Some may not agree in its interpretation, but it is this, the responsibility would be transferred to the person on the highway or a shifting of the onus on that person to prove whether or not he stopped at the crossing, and if not shown he would not be able to recover damages in the event of legal action against the railway. Whether or not any omission or commission on the part of the railway, even be that as it may, it is one of the points of difference.

The Government Highway Departments are placing slow signs and marking off the level crossings in the Province, and that to my mind may be at least a measure of looking to safety because it is giving due warning to motorists and others who may be using the highways in any form of vehicle.

I think, perhaps, Quebec, is the only province that has come out for our request and have said "Yes, we will have a Stop Law," and from what I intimate from the Speech from the Throne I think the Government will do something in the way of a subsidy for this purpose. You will remember during 1928 the Highway Department of Quebec lost two of its officers at a highway crossing. It is usual when something of that kind happens, the closer to us the more concerned we are in it. It may be that we feel it so keenly on behalf of the railway men who seem to be helpless when they see a person approach the track, when their trains are going at 40 to 60 miles an hour to keep up with schedule, and he can only speculate whether the motor will get there first and beat the train or whether, as it frequently happens, the train beats him.

Now, what is the real thing before us? My observations may be interpreted as criticism, but I hope not. We try to be practical in all our suggestions to the various governments. We find, however, that a good deal of education work is to be done, not only among the public and in labour organizations, but in very many of our organized municipalities, even in Ontario. When I tell you a Minister of the Government told me quite recently that this whole question was one to be dealt with by the Board of Railway Commissioners. I do not know whether that was one of the gentlemen who feels we are still living in the age of passing the buck, but nevertheless that is the situation we find in some places. While true the Board have very broad powers under the Act, but is it not the duty of the municipality to move and make application to the Board for the elimination of the crossings or for some substitute as a protection to the public, and thereby avail themselves of the appropriation set apart under the Railway Grade Crossing Fund for that purpose. *And we find also amongst municipalities many ignorant of the fact that such a thing as this fund exists—you would be surprised to know the number of municipalities in our own Province who knew nothing about it, and that is one of the things this organization here must get before the public.* And some of the municipalities did not want to know anything about it for fear they would have to pay 50 per cent. of the cost of the railway crossing.

I want to make one or two practical suggestions. I want to emphasize that practical measures should be taken to protect the most dangerous crossings, and here I think a very commendable thing has been done in placing a special officer under the Commission to look after level crossings and to report upon them.

The first recommendation I have to make is:

"That sanction should be withheld for the creation of any new level crossings where there are any engineering possibilities for placing the highway over or under the railway."

The question of cost should not enter into this thing as much as it does. I realize it cannot be done in a day or a year.

(2) The attention of organized municipalities and provincial governments should be drawn to the provisions of the Railway Act, as amended in 1928, increasing the appropriation to 40 per cent. of the total cost towards eliminating level railway crossings from the Railway Grade Crossing Fund, maintained by the Federal Government, also that all municipal and provincial governments undertake a more progressive programme looking to the ultimate elimination of all level crossings—the only sure remedy.

(3) A more intensive campaign of education should be carried on by our representative organizations interested in the prevention of accidents and the conservation of human life, in order to develop a keener sense of the real danger at level crossings to all concerned using the highway.

(4) That a representative conference be called at the earliest possible date, either by the Federal Government or the Board of Railway Commissioners for the purpose of formulating a national programme of level crossing separation and protection to be undertaken in co-operation with and the sanction of the various provincial governments and the Board of Railway Commissioners on behalf of the Federal Government.

My reason for making that last recommendation is, if someone on behalf of Canada will say, after a certain date no more level crossings will be sanctioned, and if representative men from the Provincial and Federal Governments sit around a table and go into this I believe they can formulate a policy—looking for fifty years ahead, if you like—in order that finality shall be reached in this vital and important question.

THE HAMILTON & BARTON INCLINE RAILWAY COMPANY, HAMILTON

BALANCE SHEET AS AT 31st DECEMBER, 1928

Assets

Current		$5,744 64	
Cash on hand	$44 44		
Bank of Nova Scotia	4,418 69		
Current	$385 64		
Savings	4,033 05		
	$4,418 69		
Accounts receivable	$122 85		
Conductors	50 00		
Inventories:			
Oil and waste, fuel and stores	568 14		
Insurance prepaid	540 52		
	$5,744 64		
Invested		74,310 05	
Plant and equipment, road bed, buildings, etc.	$105,255 31		
Less: Reserve for depreciation	30,945 26		
	$74,310 05		

Liabilities

Current			$1,732 20
Accounts payable	$1,439 20		
Commutation tickets	293 00		
	$1,732 20		
Shareholders			78,322 49
Capital stock	$61,500 00		
Profit and loss	16,822 49		
	$78,322 49		
		$80,054 69	$80,054 69

PROFIT AND LOSS ACCOUNT FOR YEAR ENDED DECEMBER 31st, 1928

Earnings			$23,238 91
Interest			59 40
Rent			240 00
Expenses		$23,540 69	
Clothing	$30 00		
Fuel (coal)	6,888 38		
General	454 63		
Insurance	447 62		
Oil and waste	100 20		
Printing and stationery	315 05		
Repairs	908 84		
Taxes and water rates	1,090 32		
Wages	10,148 00		
Depreciation	3,157 65		
	$23,540 69		
Loss for period			2 38
		$23,540 69	$23,540 69

PROFIT AND LOSS ACCOUNT

Balance forward, 31st December, 1927		$17,274 87
Directors' and Auditors' fees	$450 00	
Loss for year 1928	2 38	
Balance per balance sheet	16,322 49	
	$17,274 87	$17,274 87

WENTWORTH INCLINE RAILWAY, LIMITED

BALANCE SHEET AS AT DECEMBER 31ST, 1928

ASSETS

Current			$147,017 95
Cash on hand	$343 13		
Balance in bank	114,013 78		
Conductors' loan accounts	50 00		
Accounts receivable	150 14		
Bonds and stocks	31,420 90		
Prepaid insurance	1,040 00		
	$147,017 95		
Invested		82,816 94	
Plant and equipment, road bed, etc	$114,409 22		
Buildings	9,500 00		
Land	34,078 25		
	$157,987 47		
Less reserve for depreciation	75,170 53		
	$82,816 94		

LIABILITIES

Current			$3,136 50
Accounts payable	$376 00		
Tickets outstanding	2,460 50		
Insurance—reserve	300 00		
	$3,136 50		
Shareholders			$226,698 39
Capital stock	$27,800 00		
Special reserve	45,134 79		
Profit and loss account	153,763 60		
	$226,698 39		
		$229,834 89	$229,834 89

PROFIT AND LOSS ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1928

Earnings:			
Ticket sales, passengers, freight, etc			$42,864 74
Interest and dividends			4,476 75
Expenses		$33,411 58	
Fuel, power and light	$1,655 75		
General expense, taxes, directors' fees and salary	3,654 52		
Insurance	1,287 68		
Insurance claims	220 00		
Oil and waste	142 85		
Repairs	2,387 96		
Wages	17,867 36		
Depreciation	6,195 46		
	$33,411 58		
Net profit for period		13,929 91	
		$47,341 49	$47,341 49

PROFIT AND LOSS SUMMARY

Balance, 1st January, 1928		$142,485 13
Net profit for year 1928		13,929 91
Income tax, 1927	$983 44	
Dividend	1,668 00	
Balance per balance sheet	153,763 60	
	$156,415 04	$156,415 04

ANALYSIS OF GROSS EARNINGS AND MISCELLANEOUS INCOME FOR YEAR ENDING DECEMBER 31ST, 1928

Name of Railway	From Passengers	From Mail	From Express Parcels and Newspapers	From Freight	From rental of tracks, buildings, and other property	From Advertising	From other miscellaneous sources	Total
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Buffalo & Fort Erie Ferry & R.R. Co.	6,996 84	.....	.....	.....	.....	.....	207 36	7,204 20
Cornwall Street Railway	58,839 19	550 01	.....	55,713 01	.....	514 00	1,179 62	116,795 83
Fort William Electric Ry.	212,916 84	975 00	.....	3,027 50	858 00	936 84	2,581 33	221,295 51
Guelph Radial Railway	77,920 38	.....	.....	9,121 81	1,850 24	430 00	760 17	90,082 67
Hamilton Street Railway	1,308,849 83	4,996 00	.....	.....	668 88	9,703 35	2,372 70	1,326,590 76
Hamilton & Dundas Railway	.....	.....	.....	.....	.....	.....	1,544 34	1,544 34
Hamilton, Grimsby & Beamsville Railway	160,902 11	750 00	.....	28,092 41	913 76	450 00	15,945 40	207,053 68
Hamilton & Barton Incline	See statement							
Huntsville & Lake of Bays	1,621 15	35 00	.....	3,030 71	.....	.....	314 63	5,001 49
Hydro-Electric Railways (Essex Division)	1,146,386 14	3,443 78	3,713 60	21,680 04	1,227 24	7,897 01	7,392 26	1,191,740 07
International Ry. Co. (Niagara Falls Park and River Division)	161,390 33	556 50	206 95	.....	321 40	1,154 15	1,019 85	164,649 18
International Transit	66,831 31	400 00	.....	.....	.....	.....	923 54	68,154 85
Kingston, Portsmouth & Cataraqui	49,920 40	.....	.....	.....	1,413 88	.....	540 19	51,874 47
Kitchener & Bridgeport Street Railway	125,764 88	4,099 85	246 15	.....	1,144 45	1,011 25	1,594 27	133,860 85
Kitchener & Waterloo								
London Street Railway	610,699 92	2,995 00	.....	.....	185 00	4,715 00	366 19	618,961 11
Mount McKay & Kakabeka Falls Railway	.....	.....	.....	.....	2,000 00	.....	15,503 31	17,503 31
Niagara Peninsular Railway	.....	.....	.....	42,595 00	.....	.....	.....	42,595 00
Port Arthur Civic Railway	227,199 21	.....	.....	.....	.....	838 07	3,076 42	231,113 70
Sarnia Street Railway	51,837 84	3,446 33	2,232 30	11,222 76	400 00	450 00	4,448 09	74,037 32
Sudbury-Copper Cliff Suburban Railway	45,797 25	.....	.....	426 58	58 10	.....	1,552 68	47,832 61
Thurlow (steam)	.....	.....	.....	59,170 00	.....	.....	.....	59,170 00
Toronto & York Radial	535,274 27	6,437 09	812 38	68,590 07	3,602 61	5,007 35	6,049 43	625,773 20
Toronto Transportation Commission	12,835,795 89	.....	2,001 77	.....	67,916 74	147,163 44	72,638 13	13,125,515 97
Township of York Railway	298,278 19	.....	.....	.....	.....	4,450 73	189 00	302,917 92
Wentworth Incline Railway	See statement							

TABULATION OF CAR MILES RUN, PASSENGERS CARRIED, ACCIDENTS, ETC.

For Year Ending December 31st, 1928

Name of Railway	Length of track owned, miles	Length of switches and sidings owned, miles	Passenger car miles run	Passengers carried	Passengers carried per mile of main track operated	Accidents		Number of men employed	Passenger Cars			Other				Service Cars				Miscell.		Cost of railway construction equipment, land and buildings per mile of track owned
						Killed	Injured		Enclosed Cars	Open Cars	Trailers	Baggage and mail	Cattle and box	Platform	Coal and dump	Tool	Snow sweepers	Snow plows	Loading cranes	Locomotives	Ferry boats	
Buffalo & Fort Erie Ferry & Railroad Co	††	††																				$ c. ††
Cornwall Street Ry	4.000	2.000	293,716	1,299,946	329,486			37	16								2			3		59,815 71
Fort William Electric Ry.	18.916	6.433	875,521	3,502,968	††		2	61	18		5						1	1				48,838 21
Guelph Radial	8.49	1.56	327,750	1,437,784	169,350	2	3	31	8									1				42,742 48
Hamilton Street Ry	34.3		3,137,812	22,878,463	††		63	††	94	2							4			1		132,869 44
Hamilton, Grimsby & Beamsville Ry	22.6	3.6	217,474	771,568	††		8	††	8	2		4										16,247 00
Hamilton & Dundas Ry.	6.048	1.6			††																	13,577 12
Hamilton & Barton Incline Ry	See statement																					
Huntsville & Lake of Bays Ry	1.438	.312	††	10,808	††			5		3	1	1		5								17,332 11
Hydro-Electric Rys. (Essex Division)	56.475	3.977	2,705,366	17,270,288	393,131	6	108	287	79		6	2				2	1					87,671 19
International Ry. (Niagara Falls Park and River Division)	22.718	1.314	300,803	930,773	38,739		8		14	22				2			1					64,200 12
International Transit	4.97	.09	250,177	1,385,915	41,200			18	14		1							1				126,203 42
Kingston, Portsmouth & Cataraqui Ry	8		266,103	1,166,786	145,848			19	11	10			1			1	2					24,872 24
Kitchener & Bridgeport Street Ry	9.41	.94	324,790	3,101,818	329,630		1	33	18							1	2					49,355 10
Kitchener & Waterloo Street Ry																						
London Street Ry	35.350		2,306,702	12,383,886	††	1	103		46	9							2					44,626 09
Mount McKay & Kakabeka Falls Ry	5.000	1.500			††			10							10							39,056 00
Niagara Peninsular Ry.	3.325	2.115			††			7						1	51					4		10,211 56
Port Arthur Civic Ry	19.53	1.04	758,040	3,679,380	188,396		3	54														31,029 40
Sarnia Street Ry	8.25	1	205,694	728,743	††				10			1										28,796 17
Sudbury-Copper Cliff Suburban Ry	7.9		103,013	632,719	79,089			12	6									1				28,264 96
Thurlow Ry. (steam)	2.671	4.666						27					2	2	39					5		13,964 16
Toronto Transportation Commission	222.410	32.411	26,453,680	193,642,927	††	17	1,401		736		258						28					180,522 22
Toronto Transportation Commission: Toronto & York Radial	49.453	11.091	1,750,888	6,291,386	††	1	62		20			11						2		1		38,384 59
Toronto Transportation Commission: Twp. of York Ry	14.706	.228	848,521	6,154,499	††	2	17															99,606 13
Wentworth Incline Ry.	See statement																					

†† Not reported.

TABULATION OF COMPARISON WITH PREVIOUS YEAR AS TO CAR MILES RUN, PASSENGERS CARRIED, ETC.

For Year Ending December 31st, 1928

Name of Railway	Length of Track		Car Miles Run		Passengers Carried		Accidents				Net Earnings	
							Killed		Injured			
	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease
											$ c.	$ c.
Buffalo & Fort Erie Ferry & Railroad Co	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	‡2,049 98
Cornwall Street Railway Co	*	.....	29,444	.....	175,799	.....	.....	.....	.....	.....	3,870 47	.....
Fort William Electric Railway	.....	2.581	.....	32,821	121,075	.....	.....	.....	.....	1	†8,110 97	.....
Guelph Radial Railway	*	.....	.....	507	.....	34,497	2	.....	.....	3	220 13	.....
Hamilton Street Railway	*	.....	6,891	.....	869,850	.....	.....	.....	.....	.....	217,274 36	.....
Hamilton & Dundas Railway	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,288 62	.....
Hamilton, Grimsby & Beamsville Railway	*	.....	.....	38,017	.....	61,918	.....	.....	8	.....	.....	1,114 14
Hamilton & Barton Incline Ry	See statement											
Huntsville & Lake of Bays Railway	*	.....	.....	.....	917	.....	.....	.....	.....	.....	953 26	.....
Hydro-Electric Railways (Essex Division)	3.583	.....	.....	288,069	666,858	.....	.....	.....	5	.....	66,724 09	.....
International Ry. Co. (Niagara Falls Park & River Division)	.....	.133	.....	19,106	.....	144,385	.....	.....	.....	24	.....	‡28,844 99
International Transit Co	*	.....	29,085	.....	157,581	.....	.....	.....	1	.....	5,263 09	.....
Kingston, Portsmouth & Cataraqui	*	.....	*	.....	.....	37,687	.....	.....	.....	.....	4,029 58	.....
Kitchener & Bridgeport Street Railway Co Kitchener & Waterloo Street Railway	*	.....	.....	8,375	131,228	.....	.....	.....	.....	.....	9,013 60	.....
LondonStreet Railway	*	.....	55,884	.....	.....	357,842	1	.....	5	.....	.....	6,566 93
Mount McKay & Kakabeka Falls Railway	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,201 45	.....
Niagara Peninsular Railway	*	.....	.....	.....	.....	.....	.....	.....	.....	1	477 42	.....
Port Arthur Civic Railway	*	.....	40,737	.....	.....	73,289	.....	.....	.....	1	.....	12,849 88
Sarnia Street Railway	*	.....	*	.....	.....	99,356	.....	.....	.....	.....	307 26	.....
Sudbury-Copper Cliff Suburban Railway	*	.....	*	.....	202,763	.....	.....	.....	.....	.....	†1,253 66	.....
Thurlow Railway (steam)	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,294 87
Toronto Transportation Commission	35.230	.....	.....	862,920	3,658,378	.....	7	.....	87	.....	50,362 10	.....
Toronto Transportation Commission: Toronto & York Radial Railway	.....	20.350	81,374	.....	294,904	.....	1	.....	.....	9	†13,052 24	.....
Toronto Transportation Commission: Township of York Railway	.....	.524	.....	37,522	.....	99,375	2	.....	.....	4	23,851 73	.....
Wentworth Incline Railway Co	See statement											

* No change.

† Decrease in deficit on year's operations

‡ Increase in deficit on year's operations.

TABULATION OF OPERATING COSTS FOR YEAR ENDING DECEMBER 31ST, 1928

Name of Railway	General Expenses	Maintenance Roadbed and Buildings	Maintenance Equipment	Motive Power	Wages	Damage to Persons and Property	Miscellaneous	Total	Operating Cost per Car Mile Run
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Buffalo & Fort Erie Ferry & Railroad Co.	174 14	13,555 90	1,886 14	1,326 90	7,604 38	.....	.....	24,547 46	††
Cornwall Street Railway Co.	7,773 25	9,062 54	16,674 01	4,571 64	25,545 95	474 56	1,392 63	65,494 58	22.298
Fort William Electric Railway	16,791 63	22,671 20	33,157 27	20,677 08	69,885 88	.....	5,168 34	168,351 40	19.229
Guelph Radial Railway	14,918 37	8,337 79	16,338 21	9,964 25	22,142 46	99	3,897 79	75,599 86	23.084
Hamilton & Dundas Railway	57 03	146 03	.....	.....	.....	.....	.....	203 06	††
Hamilton, Grimsby & Beamsville Railway	3,747 27	26,372 86	38,429 44	21,386 40	41,434 38	6,699 64	44,442 99	184,512 98	83.924
Hamilton Street Railway	80,347 62	90,618 27	221,868 56	132,354 70	431,952 43	27,895 61	115,236 11	1,100,273 30	35.065
Hamilton & Barton Incline	See statement								
Huntsville & Lake of Bays Railway	217 19	300 00	252 36	.....	1,423 91	.....	639 47	2,832 93	††
Hydro-Electric Railways (Essex Division)	148,720 72	61,335 17	108,232 79	123,239 88	296,139 32	207 94	146,535 14	884,410 96	32.691
International Railway Co. (Niagara Falls Park and River Division)	44,508 21	26,481 69	13,803 89	16,167 32	53,268 65	14,924 00	7,572 80	176,726 56	58.751
International Transit Co.	7,314 39	3,268 01	6,117 91	7,920 00	14,278 15	.....	5,277 37	44,175 83	17.657
Kingston, Portsmouth & Cataraqui St. Ry	6,573 37	6,605 12	10,996 38	3,421 55	18,805 80	.....	251 50	46,653 72	17.532
Kitchener & Bridgeport Street Railway.. } Kitchener & Waterloo Street Railway... }	11,986 00	6,647 04	3,938 77	12,566 26	42,451 52	28 00	4,111 44	81,729 03	25.163
London Street Railway	39,696 74	65,768 59	69,545 46	43,638 51	209,952 07	19,133 79	71,954 83	519,689 99	22.529
Mount McKay & Kakabeka Falls Ry.	9,160 51	.....	1,353 84	.....	.....	.....	.....	10,514 35	††
Niagara Peninsular Railway	.....	6,912 65	2,716 28	.....	3,017 20	.....	2,016 08	14,662 21	††
Port Arthur Civic Railway	15,079 96	29,293 63	32,979 28	20,000 00	48,537 02	.....	17,658 79	163,548 68	21.575
Sarnia Street Railway	21,133 08	2,458 88	10,546 98	9,133 01	15,514 60	.....	2,177 51	60,964 06	29.633
Sudbury-Copper Cliff Suburban Railway..	5,641 35	6,437 57	8,535 55	5,022 00	14,073 40	.....	3,291 41	43,001 28	41.743
Thurlow Railway (steam)	.....	30,016 19	10,944 82	1,250 70	10,432 35	.....	7,772 53	60,416 59	††
Toronto Transportation Commission	533,801 71	815,655 09	753,430 35	1,213,791 90	3,657,005 33	119,119 64	1,107,105 13	8,199,909 15	30.998
Toronto Transportation Commission: Toronto & York Radials	67,815 29	102,843 47	95,364 09	147,508 06	244,618 86	11,826 34	53,782 49	723,758 60	41.336
Toronto Transportation Commission: Twp. of York Railway	22,096 21	12,309 53	25,030 96	49,463 82	.....	.....	126,790 60	235,691 12	27.725
Wentworth Incline Railway	See statement								

†† Car miles not reported.

TABULATION OF CHARGES OTHER THAN OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1928

Name of Railway	Interest on Funded Debt	Interest and Discount on Unfunded Debt	Taxes	Transfer to Special Accounts	All Charges other than Operating Costs	Total Expenditure including Operating Costs	Total Expenditure excluding Operating Costs	Total Revenue from all sources	Per Car Mile Run		Net Deficit from Year's Operations	Net Surplus from Year's Operations.
									Total Expenditure	Total Revenue		
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	$ c.	$ c.
Buffalo & Fort Erie Ferry & Railroad Co	.....	.....	.....	2,014 42	.....	*24,547 46	.....	7,204 20	††	††	19,357 68	.....
Cornwall Street Ry	6,696 03	.....	1,813 91	15,084 00	23,593 94	*74,004 52	*8,509 94	116,795 83	*35.659	39.765	.....	28,357 31
Fort William Electric Ry. Co	61,629 32	31,261 64	.....	.....	92,890 96	261,202 36	92,890 96	229,122 34	29.949	26.285	32,120 02	.....
Guelph Radial Ry	26,412 31	.....	2,726 20	10,248 22	39,386 73	*104,738 37	*29,138 51	90,082 61	*31.957	27.504	24,903 92	.....
Hamilton Street Ry	8,778 15	39,639 81	46,284 76	.....	94,702 72	1,194,976 02	94,702 72	1,326,590 76	38.083	42.309	.....	131,614 74
Hamilton & Dundas Ry	.....	.....	151 95	.....	151 95	.....	151 95	1,544 34	††	††	.....	1,189 33
Hamilton, Grimsby & Beamsville Ry	7,500 00	4,156 60	9,860 04	.....	21,516 64	204,029 62	21,516 64	207,053 68	93.817	95.208	.....	3,024 06
Hamilton & Barton Incline Ry	See statement											
Huntsville & Lake of Bays Ry	.....	.....	56 38	.....	56.38	2,889 31	56 38	5,001 49	††	††	.....	2,112 18
Hydro-Electric Ry. (Essex Division)	255,220 13	.....	4,513 37	16,000 00	275,733 50	*1,144,144 46	*259,733 50	1,191,740 07	*42.291	44.509	.....	31,595 61
International Ry. (Niagara Falls Park and River Division)	30,000 00	.....	26,522 67	52,128 96	108,651 63	*233,249 23	*56,522 67	164,649 18	*77.542	54.736	99,271 73	.....
International Transit	.....	10,681 65	3,270 58	20,344 98	34,297 21	*58,128 06	*13,952 23	94,966 59	*23.234	37.964	.....	16,493 55
Kingston, Portsmouth & Cataraqui Ry	3,930 00	61 00	1,142 54	2,496 02	7,629 56	*51,787 26	*5,133 54	54,890 10	*19.461	20.527	.....	606 82
Kitchener & Bridgeport Ry	.....	13,847 03	432 36	27,672 94	41,952 33	*96,008 42	*14,279 39	133,860 85	*29.868	41.214	.....	10,179 49
Kitchener & Waterloo Ry												
London Street Ry	28,500 00	3,413 49	12,250 39	48,625 00	92,789 88	*563,853 87	*44,163 88	618,961 11	*24.444	26.833	.....	6,481 24
Mount McKay & Kakabeka Falls Ry	.....	.....	480 50	.....	480 50	10,514 35	480 50	25,124 83	††	††	.....	14,610 48
Niagara Peninsular Ry	.....	.....	33 25	.....	33 25	14,695 46	33 25	42,595 00	††	††	.....	27,899 54
Port Arthur Civic Ry	25,708 14	2,352 02	120 05	12,283 89	40,464 10	*191,728 89	*28,180 21	231,113 70	*25.292	30.488	.....	27,100 92
Sarnia Street Ry	5,843 30	129 55	996 90	.....	6,969 75	67,933 81	6,969 75	74,037 32	32.997	35.942	.....	6,103 51
Sudbury-Copper Cliff Suburban Ry	4,500 00	3,200 00	.....	.....	7,700 00	50,701 28	7,700 00	47,832 61	49.218	46.433	2,868 67	.....
Thurlow Ry. (steam)	.....	.....	26.71	10,503 32	15,530 32	*75,946 91	*5,026 71	59,170 00	††	††	16,776 62	.....
Toronto Transportation Commission	2,133,209 62	.....	130,891 44	2,639,569 06	4,903,670 12	*10,464,010 21	*2,264,101 06	13,270,597 12	*39.559	40.165	.....	167,017 85
Toronto Transportation Commission: Toronto & York Radial	186,089 90	.....	4,294 14	196,820 35	387,204 39	*914,132 64	*190,132 64	635,239 63	*52.209	36.381	475,723 36	.....
Toronto Transportation Commission: Twp. of York Radial	71,552 08	.....	.....	69,853 02	141,405 10	*307,243 20	*71,552 08	302,917 92	*36.209	35.699	74,178 30	.....
Wentworth Incline Ry	See statement											

*Transfer to special accounts not included.

TABULATION OF ASSETS AND LIABILITIES AS OF DECEMBER 31st, 1928

Name of Railway	Authorized Capital Stock	Assets			Liabilities					Surplus
		Cost of Railway Equipment, Land and Buildings	Cash and other Assets	Deficit	Capital Stock outstanding	Funded Debt	Current Liabilities	Accrued Liabilities	Reserve and other Special Funds	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Buffalo & Fort Erie Ferry & Railroad Co	.....	104,293 47	.....	31,700 94	100,000 00	.....	117,864 63	.....	18,129 78	.....
Cornwall Street Railway Co	200,000 00	358,894 30	16,756 71	.....	200,000 00	115,000 00	1,043 00	.....	51,149 08	8,458 93
Fort William Electric Ry	.....	1,238,000 00	619,507 88	14,638 08	1,238,000 00	.....	17,118 78	.....	617,027 18	.....
Guelph Radial Railway	.....	429,561 93	36,880 19	4,488 09	.....	385,796 85	4,698 84	9,988 28	70,446 24	.....
Hamilton Street Ry	3,205,000 00	4,557,422 11	21,719 41	.....	3,205,000 00	.....	510,810 64	.....	630,294 46	233,036 42
Hamilton & Dundas Ry	100,000 00	103,837 99	70,591 18	89,953 88	100,000 00	100,000 00	18,551 15	.....	45,831 90	.....
Hamilton, Grimsby & Beamsville Ry	235,000 00	425,651 65	93,130 22	108,057 42	235,000 00	150,000 00	21,205 31	220,633 98	.....	.....
Hamilton & Barton Incline Ry	See statement									
Huntsville & Lake of Bays Ry	50,000 00	31,331 20	12,771 94	.....	27,800 00	.....	2,021 18	.....	12,169 78	2,112 18
Hydro-Electric Rys.: (Essex Division)	.....	5,299,899 10	140,530 20	794 15	.....	5,166,205 00	121,763 46	49,489 84	103,765 15	.....
International Ry. (Niagara Falls Park and River Division)	Not reported									
International Transit	150,000 00	638,589 33	20,940 32	.....	150,000 00	.....	161,073 78	1,480 06	238,596 53	108,379 28
Kingston, Portsmouth & Cataraqui	83,100 00	198,977 98	43,065 80	.....	83,100 00	96,750 00	2,623 70	.....	27,993 01	31,577 07
Kitchener & Bridgeport, Kitchener & Waterloo	.....	510,825 34	49,649 43	.....	.....	247,248 29	205 58	28,836 70	274,870 68	9,313 52
London Street Ry	637,480 00	1,585,915 67	58,781 75	.....	637,480 00	475,000 00	72,340 44	9,495 13	248,293 23	202,088 62
Mount McKay & Kakabeka Falls Ry	50,000 00	253,864 06	71,874 25	113,893 66	386,955 00	.....	.....	.....	52,676 97	.....
Niagara Peninsular Ry	200,000 00	55,550 88	27,462 01	.....	50,000 00	.....	.....	.....	.....	33,012 89
Port Arthur Civic Ry	.....	638,174 83	476,032 82	.....	621,351 69	.....	40,674 57	13,791 13	421,567 12	16,823 14
Sarnia Street Ry	90,000 00	268,049 58	4,812 13	.....	90,000 00	90,000 00	.....	45,944 22	.....	46,917 49
Sudbury-Copper Cliff Ry	250,000 00	223,293 24	107,651 88	.....	173,100 00	115,000 00	26,119 67	.....	.....	16,725 45

Thurlow Ry. (steam)	50,000 00	102,455 06	.....	19,352 22	25,000 00	.....	96,807 28	.....	.....	.....
Toronto Transportation Commission	.....	47,806,103 65	7,027,512 99	.....	.....	39,706,547 84	459,586 60	171,491 30	14,085,817 55	410,173 35
Toronto Transportation Commission: Toronto & York Radial	.....	2,323,957 22	696,500 86	.....	.....	2,482,019 00	235,157 00	20,756 60	282,525 48	.....
Toronto Transportation Commission: Twp. of York Ry	.....	1,490,640 03	113,008 78	74,178 30	.....	1,401,926 68	65,222 98	13,597 99	197,079 46	.....
Wentworth Incline Ry.	See statement									

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RETURN FROM THE RECORDS

OF THE

BY-ELECTIONS

TO THE

LEGISLATIVE ASSEMBLY IN 1927-8

IN THE ELECTORAL DISTRICTS OF

PRINCE EDWARD, SOUTH BRUCE, EAST HAMILTON, NORTH RENFREW

Held on the First day of November, 1927; and the Sixteenth and Twenty-Seventh days of June, 1928

SHOWING

(1) The number of Votes Polled for each Candidate in each Electoral District in which there was a contest;
(2) The majority whereby each successful Candidate was returned;
(3) The total number of Votes Polled;
(4) The number of Votes remaining Unpolled;
(5) The number of Names on the Polling Lists;
(6) The number of Ballot Papers sent out to each Polling Place;
(7) The Used Ballot Papers;
(8) The Unused Ballot Papers;
(9) The Rejected Ballot Papers;
(10) The Cancelled Ballot Papers;
(11) The Declined Ballot Papers; and
(12) The Ballot Papers taken from Polling Places;
(13) Total number of printed Ballots not distributed to D.R.O's.
(14) Total number of ballot papers printed.

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO

Printed and Published by the Printer to the King's Most Excellent Majesty

1929

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The
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TORONTO
CANADA

LIST OF RETURNING OFFICERS AT BY-ELECTIONS, 1927, 1928

Constituency	Returning Officer	Post Office
1. Prince Edward	Merritt McFaul	Allisonville.
2. South Bruce	James H. Brown	Teeswater.
3. East Hamilton	George C. Gage	Hamilton.
4. North Renfrew	Alexander Morris	Pembroke.

STATEMENT OF VOTES POLLED: Number of Polling Booths and Number of Names on Voters' Lists at the By-Elections held on the 1st day of November, 1927; and the 16th and 27th days of June, 1928.

Constituency	No. of Polling Booths	No. of Votes Polled	No. of Names on Voters' Lists
1. Prince Edward	Acclamation	.....	.....
2. South Bruce	71	7,584	13,656
3. East Hamilton	90	5,158	23,196
4. North Renfrew	63	8,569	13,681

SUMMARY OF VOTES CAST AT THE BY-ELECTIONS HELD ON THE 1ST DAY OF NOVEMBER, 1927; AND THE 16TH AND 27TH DAYS OF JUNE, 1928.

Showing the number of votes polled for each candidate and the majority accorded to the one elected in each Constituency in which there was a contest.

Constituency	Candidates	Votes Polled	Remarks
1. Prince Edward	Horace S. Colliver	Acclamation	
2. South Bruce	Foster Graham Moffat	4,505	
	Malcolm A. McCallum	3,079	
	Majority for Moffat	1,426	
3. East Hamilton	William Morrison	2,677	
	Robert C. Gardner	1,487	
	John H. Hodgson	994	
	Majority for Morrison	1,190	
4. North Renfrew	Edward A. Dunlop	5,385	
	Paul Martin	3,184	
	Majority for Dunlop	2,201	

C. F. BULMER,
Clerk of the Crown in Chancery.

RETURN from the Records of the BY-ELECTIONS to the Legislative Assembly at the By-Elections held on the 1st day of November, 1927, and the 16th and 27th days of June, 1928.

Electoral District.	Numbers of Polling Places	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		M.A. McCallum	F. G. Moffat										
South Bruce.....	Brant Township .....No. 1	40	68	108	125	233	275	108	167	....	....	....	....
	" ..... " 2	65	35	100	46	146	175	100	74	1	....	....	....
	" ..... " 3	80	63	143	106	249	275	143	130	2	....	....	....
	" ..... " 4	44	91	135	163	298	200	135	65	....	....	....	....
	" ..... " 5	37	49	86	83	169	200	86	114	....	....	....	....
	" ..... " 6	35	30	65	65	130	175	65	110	....	....	....	....
	" ..... " 7	108	29	137	56	193	250	137	113	....	....	....	....
	" ..... " 8	92	44	136	71	207	250	136	114	....	....	....	....
	" ..... " 9	44	35	79	37	116	150	79	70	....	1	....	....
	Carrick Township..... " 1	19	60	79	167	246	300	79	221	....	....	....	....
	" ..... " 2	34	26	60	68	128	175	60	115	....	....	....	....
	" ..... " 3	6	189	195	83	278	300	195	104	1	....	....	....
	" ..... " 4	50	29	79	69	148	275	79	196	....	....	....	....
	" ..... " 5	24	45	69	128	197	250	69	181	....	....	....	....
	" ..... " 6	28	116	144	91	235	250	144	106	....	....	....	....
	" ..... " 7	34	49	83	144	227	250	83	166	....	1	....	....
	Kinloss Township..... " 1	30	30	60	38	98	150	60	90	....	....	....	....
	" ..... " 2	34	34	68	68	136	175	68	107	....	....	....	....
	" ..... " 3	55	83	138	69	207	250	138	12	....	....	....	....
	" ..... " 4	72	59	131	89	220	225	131	94	....	....	....	....
	" ..... " 5	37	60	97	41	138	200	97	103	....	....	....	....
	" ..... " 6	46	33	79	95	174	200	79	121	....	....	....	....
	Teeswater Village ..... " 1	62	110	172	106	278	375	172	202	....	1	....	....
	" ..... " 2	57	128	185	132	317	450	185	264	1	....	....	....

J. H. BROWN,
Returning Officer.

Ripley Village	"	1	28	51	79	103	182	225	79	146	....	....	....	....
"	"	2	23	35	58	79	137	250	58	192	....	....	....	....
Kincardine Town	"	1 A	14	92	106	204	452	250	106	144	....	....	....	....
"	"	1 B	47	95	142			300	142	157	....	1	....	....
"	"	2 A	24	47	71	201	364	200	71	129	....	....	....	....
"	"	2 B	33	59	92			250	92	158	....	....	....	....
"	"	3 A	23	43	66	204	357	225	66	159	....	....	....	....
"	"	3 B	34	53	87			225	87	138	....	....	....	....
"	"	4	24	76	100	114	214	250	100	150	....	....	....	....
Lucknow Village..A to L	No.	1	33	72	105	132	388	250	105	145	....	....	....	....
" M to Z	"	1	78	73	151			300	151	148	1	....	....	....
"	"	2	89	75	164	84	248	300	164	136	....	....	....	....
Kincardine Township	"	1	80	48	128	146	274	325	128	195	2	....	....	....
" "	"	2	105	49	154	188	342	400	154	246	....	....	....	....
" "	"	3	35	32	67	112	179	250	67	182	1	....	....	....
" "	"	4	68	29	97	115	212	250	97	153	....	....	....	....
" "	"	5	48	9	57	128	185	250	57	193	....	....	....	....
Walkerton.....A to L	"	1	32	104	136	153	410	250	136	113	1	....	....	....
" .....M to Z	"	1	38	83	121			225	121	104	....	....	....	....
" .....A to L	"	2	39	157	196	187	565	325	196	128	....	1	....	....
" .....M to Z	"	2	49	133	182			275	182	92	....	1	....	....
" .....A to L	"	3	22	118	140	136	389	225	140	85	....	....	....	....
" .....M to Z	"	3	28	85	113			225	113	111	....	....	1	....
"	"	4	36	87	123	90	213	250	123	125	2	....	....	....
Culross Township	"	1	12	27	39	47	86	125	39	86	....	....	....	....
"	"	2	63	33	96	63	159	200	96	103	....	1	....	....
"	"	3	58	58	116	47	163	200	116	84	....	....	....	....
"	"	4	86	68	154	60	214	300	154	146	....	....	....	....
"	"	5	77	67	144	87	231	300	144	155	....	1	....	....
"	"	6	5	150	155	46	201	300	155	145	....	....	....	....
"	"	7	15	33	48	54	102	175	48	126	1	....	....	....
Huron Township	"	1	73	48	121	106	227	275	121	154	....	....	....	....
"	"	2	56	52	108	119	227	275	108	167	....	....	....	....
"	"	3	81	35	116	108	224	250	116	134	....	....	....	....
"	"	4	63	20	83	109	192	250	83	166	1	....	....	....
"	"	5	84	32	116	145	261	300	116	183	1	....	....	....
Mildmay Village..A to L	"	1	19	104	123	234	450	300	123	177	....	....	....	....
" ..M to Z	"	1	18	75	93			300	93	207	....	....	....	....
Greenock Township	"	1	18	52	70	60	130	200	70	130	....	....	....	....
"	"	2	43	38	81	25	106	225	81	144	....	....	....	....
"	"	3	19	156	175	48	223	350	175	175	....	....	....	....
"	"	4	6	69	75	16	91	150	75	75	....	....	....	....
"	"	5	45	84	129	45	174	225	129	96	....	....	....	....
"	"	6	41	50	91	93	184	250	91	159	....	....	....	....
"	"	7	22	18	40	41	81	125	40	84	....	1	....	....

RETURN from the Records of the BY-ELECTIONS to the Legislative Assembly in 1927-8.—*Continued.*

Electoral District.	Number of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
South Bruce—*Con.*.		M. A. McCallum	F. G. Moffat										
	Greenock Township.....No. 8	9	20	29	22	51	125	29	96	....	....	....	....
	Advance Poll at Walkerton.....	3	16	19	.....	.....	300	19	281	....	....	....	....
	Totals.....	3,079	4,505	7,584	6,091	13,656	17,550	7,584	9,941	15	9	1	....
	Majority for Moffat.....		1,426										
Total number of printed ballots not distributed to D.R.O's: nil. Total number of ballot papers printed: 17,550.													
		R. C. Gardner	J. H. Hodgson	W. Morrison									
East Hamilton.....	Division .....No. 6	25	9	20	54	164	218	225	54	171	....	....	....	....
	" ..... " 7	23	4	27	54	141	195	200	54	146	....	....	....	....
	" ..... " 8– 9 ..	21	14	56	91	214	305	200	91	109	....	....	....	....
	" ..... " 10–11 ..	21	11	54	86	336	422	400	86	314	....	....	....	....
	" ..... " 12	23	5	35	63	254	317	325	63	262	....	....	....	....
	" ..... " 13	19	9	15	43	207	250	250	45	205	2	....	....	....
	" ..... " 14–15 ..	16	9	22	47	336	383	400	47	353	....	....	....	....
	" ..... " 16	36	8	36	80	172	252	250	80	170	....	....	....	....
	" ..... " 17	22	5	33	60	149	209	200	60	140	....	....	....	....
	" ..... " 18	30	5	39	74	141	215	200	75	125	1	....	....	....
	" ..... " 19–20 ..	52	13	33	98	281	379	350	98	252	....	....	....	....
	" ..... " 21–22 ..	61	13	46	120	269	389	400	120	280	....	....	....	....
	" ..... " 23	23	2	39	64	222	286	300	64	236	....	....	....	....

Division	No.	24	25	26	27–28	29–30	31	32	33	34	35	36–37	38	39	40	41	42–43	44	45	46–47	48	49	267	268	269	270–274	271–272	273	275–277	276	278–279	280	281	282	283	284	285	286–287	288–289	290	291	292–293	294–295	296–297	298	299
Division		41	13	39	39	33	12	27	62	21	20	44	17	16	15	18	17	10	8	17	17	18	2	46	15	18	24	12	14	9	10	10	8	8	8	5	5	2	13	3	8	15	21	15	10	5	8
"		0	3	1	10	7	2	2	6	2	5	6	1	11	8	2	2	5	7	8	8	8	11	10	7	7	18	33	8	41	62	22	41	14	17	16	23	20	26	43	5	15	24	15	20	12	5
"		18	23	27	61	42	32	10	23	27	38	40	40	31	22	21	22	30	32	31	56	50	27	14	37	30	30	45	24	31	22	28	24	24	17	5	36	61	38	31	20	24	34	44	37	24	16
"		59	39	67	110	82	46	39	91	50	63	90	58	58	45	41	41	45	47	155	286	162	201	132	222	211	255	348	258	271	93	79	44	49	56	41	33	222	90	169	87	28	47	70	75	67	41	29
"		201	220	175	215	310	167	179	139	147	145	347	159	180	186	224	299	156	155	286	342	162	201	132	222	211	255	348	258	271	210	244	239	183	186	202	222	255	151	169	196	87	177	224	273	235	153	192
"		260	259	242	325	392	213	218	230	197	208	437	217	238	231	265	340	201	202	450	450	237	254	159	315	263	321	450	302	357	303	323	283	232	242	243	255	150	235	283	300	115	225	294	348	302	194	221
"		275	250	250	325	400	200	225	225	200	200	425	200	250	250	275	350	200	200	450	450	250	250	150	300	275	325	450	300	350	250	325	300	225	250	250	250	150	250	300	300	125	225	300	350	300	200	225
"		60	39	68	111	83	46	40	91	52	65	91	59	58	45	41	41	46	47	56	75	75	53	27	94	52	67	102	45	87	93	79	44	50	56	42	33	63	66	184	88	29	48	70	76	67	41	32
"		215	211	182	214	317	154	185	134	148	135	334	141	192	205	234	309	154	153	394	175	197	123	206	223	258	348	255	263	157	246	256	175	194	208	217	87	184	212	96	177	230	274	233	159	193
"		1			1	1		1		2	2	1	1				1							1		1		1	1				1		1			1			1			1	3
"						1																																									

George C. Gage,
Returning Officer.

RETURN from the Records of the BY-ELECTIONS to the Legislative Assembly in 1927-8.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.			Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
					Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
		R. C. Gardner	J. H. Hodgson	W. Morrison										
East Hamilton —*Con.*.....	Division .....No. 300	16	22	27	65	220	285	300	65	235	....	....	....	....
	" ..... " 301	11	15	23	49	238	287	300	51	249	2	....	....	....
	" ..... " 302–303	21	18	50	89	307	396	400	92	308	2	1	....	....
	" ..... " 304–305	9	21	33	63	288	351	350	63	287	....	....	....	....
	" ..... " 306	5	5	21	31	83	114	125	31	94	....	....	....	....
	" ..... " 307	2	3	37	42	61	103	100	42	58	....	....	....	....
	" ..... " 308	1	2	12	15	93	108	100	16	84	1	....	....	....
	" ..... " 309–310..	12	15	21	48	260	308	300	48	252	....	....	....	....
	" ..... " 311	15	6	25	46	191	237	250	46	204	....	....	....	....
	" ..... " 312	19	8	23	50	186	236	250	51	199	1	....	....	....
	" ..... " 313–314	26	12	53	91	273	364	350	91	259	....	....	....	....
	" ..... " 315	8	9	24	41	133	174	175	41	134	....	....	....	....
	" ..... " 316	9	5	26	40	150	190	200	40	160	....	....	....	....
	" ..... " 317	6	5	24	35	130	165	175	35	140	....	....	....	....
	" ..... " 318–319	17	10	40	67	273	340	350	67	283	....	....	....	....
	" ..... " 320–321	19	5	23	47	284	331	350	47	303	....	....	....	....
	" ..... " 322–323	23	12	42	77	294	371	375	78	297	....	....	1	....
	" ..... " 324–325	16	11	39	66	242	308	300	66	234	....	....	....	....
	" ..... " 326–327	12	8	29	49	230	279	300	50	250	1	....	....	....
	" ..... " 328	15	10	19	44	168	212	200	44	156	....	....	....	....
	" ..... " 329	8	9	31	48	170	218	225	48	177	....	....	....	....
	" ..... " 330–331	18	12	43	73	231	304	300	75	225	2	....	....	....
	" ..... " 332	4	13	36	53	186	239	250	53	197	....	....	....	....
	" ..... " 333–334	4	12	33	49	263	312	300	49	251	....	....	....	....
	" ..... " 335	8	6	12	26	129	155	150	26	124	....	....	....	....

" ..... " 336	6	2	23	31	131	162	175	31	144	....	....	.....
" ..... " 337	10	3	35	48	135	183	200	51	149	3	....	.....
" ..... " 338	4	9	39	52	145	197	200	52	148	....	....	.....
" ..... " 339	3	5	26	34	102	136	125	34	91	....	....	.....
" ..... " 340	3	12	19	34	103	137	150	34	116	....	....	.....
" ..... " 341	2	3	13	18	112	130	150	18	132	....	....	.....
" ..... " 342	0	1	11	12	109	121	125	13	112	1	....	.....
Totals.....	1,487	994	2,677	5,158	18,038	23,196	23,375	5,203	18,172	40	3	2....
Majority for Morrison.....			1,190									

Total number of printed ballots not distributed to D.R.O's: 2,725. Total number of ballot papers printed: 26,100.

ALEX. MORRIS, Returning Officer.

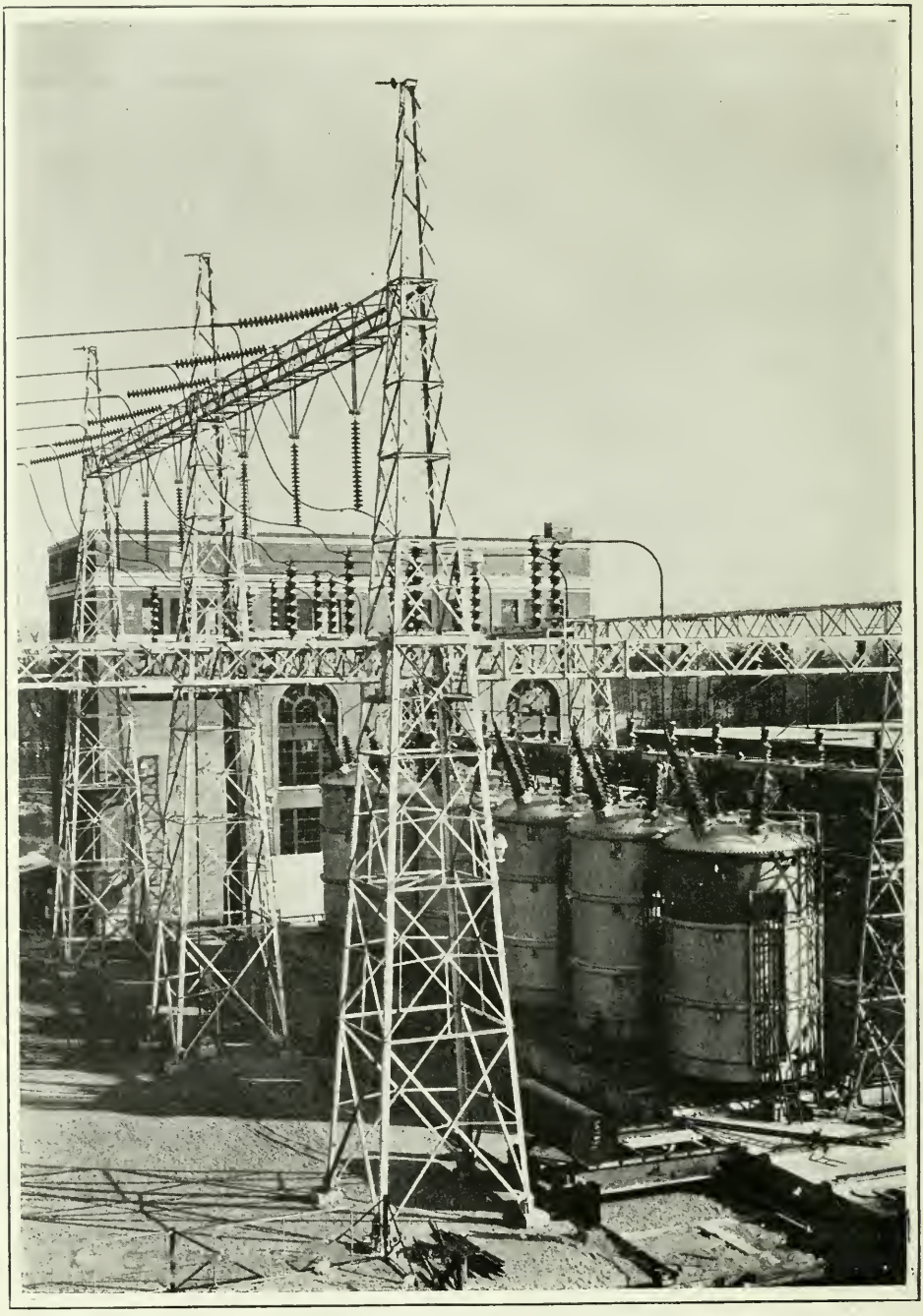
		E. A. Dunlop	P. Martin									
Renfrew, North....	Alice and Fraser.....No. 1	80	54	136	141	277	300	136	164	2	....	....
	" ..... " 2	63	60	123	85	208	225	123	102	....	....	....
	" ..... " 3	99	63	165	141	306	325	165	160	3	....	....
	" ..... " 4	82	32	118	92	210	225	119	106	4	1	....
	" ..... " 5	14	0	14	6	20	50	14	36	....	....	....
	North Algona..... " 1	118	63	181	22	203	225	182	43	....	1	....
	" ..... " 2	31	10	41	24	65	75	41	34	....	....	....
	Bromley..... " 1	70	59	129	96	225	250	129	121	....	....	....
	" .....A to K " 2	45	58	106	47	153	175	106	69	3	....	....
	" .....L to Z " 2A	91	103	194	72	266	275	194	81	....	....	....
	" ..... " 3	15	35	50	42	92	100	50	50	....	....	....
	" ..... " 4	57	37	94	57	151	175	94	81	....	....	....
	Cobden.....A to K.....	85	46	132	58	190	200	132	68	1	....	....
	" .....L to Z.....	94	57	152	55	207	225	152	73	1	....	....
	Clara.....	48	6	54	16	70	100	54	46	....	....	....
	Eganville.....	115	44	159	128	287	300	159	141	....	....	....
	Head.....	44	48	93	39	132	150	93	57	1	....	....
	Maria.....	14	12	26	1	27	50	26	24	....	....	....
	Pembroke Town....A to B No. 1	114	39	154	47	201	225	158	67	1	4	....
	" ....C to E " 1 A	112	50	163	82	245	250	163	87	1	....	....
	" ....F to Z " 1 B	136	57	196	102	298	300	196	104	3	....	....
	" ....J to L " 1 C	83	39	123	76	199	200	123	77	1	....	....
	" ....M to O " 1 D	111	51	163	128	291	300	165	135	1	2	....
	" ....P to S " 1 E	151	50	202	109	311	325	203	122	1	1	....
	" ....T to Z " 1 F	91	32	123	61	184	200	123	77	....	....	....
	" ....A to B " 2	59	53	112	45	157	175	112	63	....	....	....
	" ....C to F " 2 A	124	81	208	87	295	300	208	92	3	....	....
	" ....G to K " 2 B	99	84	184	82	266	275	186	89	1	2	....

RETURN from the Records of the BY-ELECTIONS to the Legislative Assembly in 1927-8.—*Continued.*

Electoral District.	Numbers of Polling Places.	Names of Candidates and Number of Votes Polled for each.		Voters at each Polling Place.			Ballot Papers sent out and how disposed of in each Polling Place.						
				Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
Renfrew, North —*Con*.....		E. A. Dunlop	P. Martin										
	Pembroke Town....L to O No. 2 C	132	103	236	122	358	375	237	138	1	....	1	....
	" ....P to S " 2 D	135	74	210	103	313	325	210	115	1	....	....	....
	" ....T to Z " 2 E	70	46	118	46	164	175	118	57	2	....	....	....
	" ....A to B " 3	101	75	176	100	276	300	176	124	....	....	....	....
	" ....C to E " 3 A	76	64	142	75	217	225	142	83	2	....	....	....
	" ....F to J " 3 B	97	120	219	118	337	350	219	131	2	....	....	....
	" ....K to L " 3 C	105	118	231	108	339	350	231	119	8	....	....	....
	" ....M to O " 3 D	64	64	130	81	211	225	131	94	2	1	....	....
	" ....P to R " 3 E	84	38	122	72	194	200	123	77	....	1	....	....
	" ....S to T " 3 F	94	93	189	105	294	300	189	111	2	....	....	....
	" ....U to Z " 3 G	62	45	107	64	171	200	107	93	....	....	....	....
	Pembroke Tp.....	106	32	138	98	236	250	138	112	....	....	....	....
	Petawawa Tp.....No. 1	78	73	151	68	219	225	153	72	....	2	....	....
	" ..... " 2	59	49	109	65	174	200	109	91	1	....	....	....
	Ralph, Buchanan, etc.....No. 1	72	67	143	9	152	175	144	31	4	1	....	....
	" " A to K " 2	96	40	136	40	176	200	139	61	....	3	....	....
	" " L to Z " 2 A	89	41	130	38	168	175	132	43	....	....	2	....
	Ross..... " 1	80	25	105	105	210	225	107	118	....	2	....	....
	" .....A to K " 2	68	6	75	149	224	225	76	149	1	1	....	....
	" .....L to Z " 2 A	65	2	67	153	220	225	67	158	....	....	....	....
	" ..... " 3	94	41	137	148	285	300	137	163	2	....	....	....
	Stafford..... " 1	146	23	169	114	283	300	169	131	....	....	....	....
	" ..... " 2	40	63	105	94	199	200	105	95	2	....	....	....
	" ..... " 3	85	53	139	49	188	200	139	61	1	....	....	....
	Westmeath.....A to K " 1	138	46	184	147	331	350	184	166	....	....	....	....
	" .....L to Z " 1 A	120	34	154	125	279	300	154	146	....	....	....	....

"	"	2	118	16	134	86	220	225	134	91	....	....	....	....
"	A to K	" 3	55	57	114	63	177	200	114	86	2	....	....	....
"	L to Z	" 3 A	46	71	120	89	209	225	120	105	3	....	....	....
"	"	" 4	145	8	153	71	224	225	153	72	....	....	....	....
"	"	" 5	65	80	146	48	194	200	146	54	1	....	....	....
Wilberforce	"	1	80	90	170	100	270	300	171	129	....	....	1	....
"	"	" 2	89	47	136	126	262	275	136	139	....	....	....	....
"	"	" 3	128	23	151	46	197	225	151	74	....	....	....	....
"	"	" 4	58	34	93	81	174	200	93	107	1	....	....	....
Totals			5,385	3,184	8,634	5,047	13,681	14,625	8,660	5,965	65	22	4	....
Majority for E. A. Dunlop			2,201											

Total number of printed ballots not distributed to D.R.O's: 3,297. Total number of ballot papers printed: 17,922.



LEASIDE TRANSFORMER STATION

Transformer banks and service building

Twenty-First Annual Report

OF THE

HYDRO-ELECTRIC POWER COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1928

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by the Printer to the King's Most Excellent Majesty
1929

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

CHARLES A. MAGRATH.....*Chairman*

HON. J. R. COOKE, M.L.A.....*Commissioner*

C. ALFRED MAGUIRE.....*Commissioner*

W. W. POPE.....*Secretary*

F. A. GABY, B.A.Sc., D.Sc.....*Chief Engineer*

To His Honour The Honourable William D. Ross,

Lieutenant-Governor of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to your Honour the Twenty-first Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1928.

This Report covers all of the Commission's activities and also embodies the financial statements of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the people of the Province.

Dealing, as it does, with a multiplicity of activities relating to several electrical systems obtaining power from twenty-two hydro-electrical plants operated by the Commission, supplemented by power purchased from other sources, and recording financial and other data relating to the individual local municipal electric utilities, the Annual Report presents a large amount of statistical information, much of which must, of necessity, be of a summary character.

The financial statements, the statistical data and the general information given, however, are so arranged and presented as to convey a comprehensive outlook on the features of the Commission's operations. Not only does the Report record the progress made during the past year, but it gives, in addition, certain cumulative results for the various periods during which operation has been maintained in the respective municipalities.

During the past year the work of the Commission has been characterized by consistent and steady growth. Throughout the winter of 1927-28 and during the ensuing spring and summer months, work on the initial unit of the transmission line bringing power from the Ottawa river watershed to supplement the supply for the Niagara system was rapidly pushed to completion, with the result that on October 1st, 1928, the line was formally placed in service. It consists of a single-circuit, 220,000-volt line designed to transmit 125,000 to 150,000 horsepower and extends from a point on the interprovincial boundary on the Ottawa river, where power is received from the Gatineau Power Company, to

Leaside, on the outskirts of Toronto, a distance of 202 miles. The steel-reinforced aluminum cable used in this line aggregates 606 wire miles and is supported by nearly 1,000 steel towers. The completion of this line, much of it through rough and sparsely populated territory, within so short a period is regarded as a noteworthy engineering achievement.

The operation of all the systems has been carried on successfully and without serious trouble. The class of equipment provided in the Commission's generating plants and on its transmission networks, and the care with which it is maintained and operated have enabled the Commission to provide a remarkable continuity of service. This is indicated by the fact that power was never entirely off the Niagara system for a single minute during the year. On the Georgian Bay system the continued combined operation of the various generating plants has been very satisfactory and has resulted in an improved service. On the Georgian Bay system, the Central Ontario and Trent system, and the Nipissing system, special attention has been given to the problem of conserving and increasing the flow of streams.

Cost of Electrical Service Furnished by the Commission

The function of the Commission is not only to use its best endeavours to provide for the people of Ontario, at cost, an adequate and reliable supply of electrical energy, but also to ensure that the cost of that electrical energy to the consumers shall be the minimum consistent with the financial stability of the enterprise. The success that has been attained in the accomplishment of the latter object may be appreciated by a careful study of the statistical data relating to the supply of electrical energy to consumers as given in Statement "D" and the actual rates to consumers as presented in Statement "E," in conjunction with the various financial statements of the Report.

Growth in Load

The following tabulation shows the growth in load in the various systems during the year.

DISTRIBUTION OF POWER TO SYSTEMS

20-Minute-Peak Horsepower

System Coincident Peaks

System	October 1927	December 1927	October 1928	December 1928
Niagara system	810,322	853,960	879,357	894,772
Georgian Bay system	19,247	21,791	20,082	21,595
St. Lawrence system	8,246	9,033	9,896	9,759
Rideau system	3,290	3,123	3,351	3,466
Thunder Bay system	43,603	42,332	48,910	66,300
Ottawa system	18,480	18,794	20,241	21,213
Central Ontario and Trent system	43,458	47,994	47,493	50,389
Nipissing system	3,054	3,225	3,170	3,248
Total	949,700	1,000,252	1,032,500	1,070,742

Financial Summaries

It will be observed that the financial statements embodied in this Report are presented in two main divisions, namely, a division—Section IX—which deals with the operations of the Commission in the generation, transformation and transmission of electrical energy *to the co-operating municipalities*, and a division—Section X—which deals with the various operations of the municipal electric utilities in the localized distribution of electrical energy *to consumers.*

The cumulative results to date of the operation of the several systems of the Commission as set forth in this Report demonstrate a healthy financial condition.

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is $211,217,481.46, and the investment of the municipalities in distributing systems and other assets is $85,986,287.89, making in power and hydro-electric railway undertakings a total investment of $297,203,769.35. The total revenue derived from this capital investment aggregated $36,388,391.98 in the fiscal year 1928.

The following statement shows the capital invested in the respective systems and municipal undertakings:

Niagara system	$161,994,023.61
Georgian Bay system	5,546,340.02
St. Lawrence system	1,852,165.93
Rideau system	1,189,021.46
Thunder Bay system	14,332,937.23
Ottawa system	201,331.53
Eastern Ontario transmission lines, etc	895,236.64
Central Ontario and Trent system	14,157,630.78
Nipissing system	1,151,370.92
Hydro-electric railways	6,989,346.88
Office and service buildings, construction plant, inventories, etc	2,908,076.46
	$211,217,481.46
Municipalities' distributing systems and other assets (exclusive of $12,326,097.56 of municipal sinking fund equity in H.E.P.C. system)—all systems	85,986,287.89
	$297,203,769.35

The following statement shows the combined revenue of the Hydro-Electric Power Commission and the municipal electric utilities:

Revenue of the Hydro-Electric Power Commission:

From the municipal electric utilities, rural power districts, Hydro-Electric railways and other power customers—

Niagara system	$17,954,993.01	
Georgian Bay system	762,594.91	
St. Lawrence system	290,279.27	
Rideau system	154,600.76	
Thunder Bay system	1,145,031.55	
Ottawa system	205,099.84	
Bonnechere storage	4,210.53	
		$20,516,809.87

From rural consumers—			
Niagara rural power districts	$1,166,221.80		
" rural lines	4,385.65		
Georgian Bay rural power districts	44,584.17		
" " rural lines	288.75		
St. Lawrence rural power districts	23,945.92		
Ottawa rural power district	21,669.23		
Central Ontario rural power districts	86,203.74		
		1,347,299.26	
From the Central Ontario and Trent system, also Nipissing system and pulp mill		2,423,187.10	
		$24,287,296.23	
From Hydro-Electric Railways—			
Sandwich, Windsor & Amherstburg Ry.	$1,158,710.72		
Guelph Radial Railway	115,310.19		
		1,274,020.91	
Total revenue of the Commission			$25,561,317.14
Revenue collected by the municipal electric utilities			26,376,465.09
Aggregate revenue of the Commission and the municipal electric utilities			$51,937,782.23
*Deduct:—			
Revenue from power supplied to municipal electric utilities		$15,443,379.28	
Hydro-Electric Railways (See footnote)		106,010.97	
			15,549,390.25
Combined revenue			$36,388,391.98

Revenue of Commission

As usual the Commission is able to report that the revenue obtained from the consumers has been more than sufficient to meet the full cost of generating and transmitting the electrical energy as well as to provide for all operating expenses and the fixed charges of the municipal utility equipments.

The Commission collected from the municipal utilities and other customers, for power sold, a total sum of $24,287,296.23. This sum was appropriated to meet all the necessary fixed charges and to provide for the expenses of operation and administration. After meeting all charges there was left a net surplus of $940,663.07.

The following statement summarizes the Commission's collections from municipal electric utilities and other power customers for the year and shows how the collections have been appropriated:

Revenue from municipal electric utilities and other power customers			$24,287,296.23
Appropriated as follows:			
Operation, maintenance, administration, interest and other current expenses		$16,489,620.67	
Reserves for sinking fund, renewal of plant and equipment and contingencies		6,857,012.49	
			23,346,633.16
Net surplus, after providing for all expenses and necessary fixed charges, credited to municipalities and shown in their accounts			$940,663.07

*Note: This deduction is made due to the fact that the revenue of the municipal electric utilities is the source from which the Commission is reimbursed for the cost of power supplied to such utilities.

Rural Electrification

During the past few years very substantial progress has been made in Ontario in the field of rural electrification. Practically all rural electrical service is now given through rural power districts which are operated directly by the Commission. There is now more than $7,200,000 invested in the rural power district systems established by the Commission. Towards this rural work the Ontario Government, pursuant to its policy of promoting the basic industry of agriculture, has, in the form of grants-in-aid, contributed 50 per cent. of the costs of transmission lines and equipment, or about $3,500,000. About 3,790 miles of transmission lines have been constructed to date, of which 929 miles were constructed during the past year, a mileage which exceeds that constructed in any former year. There are now more than 31,000 customers supplied in the rural power districts.

RURAL POWER DISTRICTS—OPERATIONS FOR YEAR 1928

	Niagara system	Georgian Bay system	St. Lawrence system	Ottawa system	Central Ontario and Trent system and Nipissing system	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cost of power as provided to be paid under Power Commission Act	406,789.20	17,791.12	8,643.48	5,358.91	34,011.85	472,594.56
Cost of operation, maintenance and administration	301,548.45	8,278.10	6,898.85	5,036.27	20,925.04	342,686.71
Interest	126,905.13	6,285.82	3,333.85	3,203.43	7,191.35	146,919.58
Renewals	107,703.56	4,656.41	2,605.91	2,687.03	6,013.54	123,666.45
Obsolescence and contingencies	161,555.34	4,656.38	2,605.92	1,343.51	3,091.24	173,252.39
Sinking fund	28,553.37	1,418.82	697.50	710.38	.....	31,380.07
Total expenses	1,133,055.05	43,086.65	24,785.51	18,339.53	71,233.02	1,290,499.76
Revenue from customers	1,166,221.80	44,584.17	23,945.92	21,669.23	86,203.74	1,342,624.86
Surplus	33,166.75	1,497.52	.....	3,329.70	14,970.72	52,964.69
Deficit	.....	.....	839.59	.....	.....	839.59
Net surplus	.....	.....	.....	.....	.....	52,125.10

Municipal Electric Utilities

The following is a summary of the year's operation of the electric utilities of the municipalities which operate under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities		$26,376,465.09
Cost of power	$14,688,570.08	
Operation, maintenance and administration	4,608,430.46	
Debenture charges and interest	3,712,760.81	
Depreciation	1,350,252.16	
Total		24,360,013.51
Surplus for the year, includes surplus from H-E.P.C		$2,016,451.58

The above covers only the municipalities operating under cost contracts with the Commission.

Reserves of Commission and Municipal Electric Utilities

The total reserves of the Commission and the municipal electric utilities for sinking fund, renewals, contingencies and insurance purposes amount to $76,280,929.60, made up as follows:

Niagara system	$28,989,376.26
Georgian Bay system	1,417,747.44
St. Lawrence system	379,504.86
Rideau system	258,860.96
Thunder Bay system	954,005.63
Ottawa system	14,497.49
Central Ontario and Trent system	2,539,212.44
Nipissing system	182,415.74
Bonnechere system	13,774.82
Service buildings and equipment	499,137.91
Hydro-Electric Railways	140,803.90
Insurance—Workmen's compensation and staff pension insurance	2,156,246.41
Total reserves of the Commission	$37,545,583.86
Total reserves of municipal electric utilities	38,735,345.74
Total Commission and municipal reserves	$76,280,929.60

The consolidated balance sheet of the municipal electric utilities, on page 251, shows a total cash balance of $1,342,367.07, and bonds and other investments of $1,837,140.51. The total surplus in the municipal books now amounts to $26,544,670.51, in addition to a depreciation reserve and sundry other reserves aggregating $12,258,053.31.

The following is a brief summary of the principal operations relating to the several systems of the Commission:

Niagara System

The Niagara system embraces all the territory lying between Niagara Falls, Hamilton, and Toronto on the east, and Windsor, Sarnia, and Goderich on the west, served with electrical energy generated at plants on the Niagara river.

There has been a steady increase in the number of consumers supplied in this district and also in the load supplied by the Commission to the municipalities. After a period of study of the operating characteristics of the canal and power plant with a view to obtaining the maximum efficiency and use of the development, it was decided to instal a tenth unit in the Queenston generating station.

Delivery of the first block of power from the Gatineau Power Company was made during October. This power is received by the Commission at the inter-provincial boundary on the Ottawa river and is transmitted over a 220,000-volt steel-tower transmission line to Leaside. The construction of a duplicate line in connection with this power supply will be undertaken during the coming year. In order to take care of the increasing demands in the western part of the Province, the Commission will construct during the coming year an additional 110,000-volt steel-tower line from Niagara Falls to St. Thomas.

The Commission in this system has a total capital investment of $161,994,023.61 and accumulated reserves for renewals, sinking fund and contingencies aggregate $28,989,376.26. In the rural power districts of this system, which are operated directly by the Commission, the revenue for the year from customers was $1,166,221.80, and the total cost of supplying the

service was $1,133,055.05, leaving a balance of $33,166.75, which is placed to the credit of the districts in this system. The greater part of this surplus is returnable to the users in the form of reduced rates.

With respect to the electric utilities of the municipalities comprising this system, the actual cost of power during the year was $732,022.84 less than the amounts of the interim bills. The municipal electric utilities operated with a net surplus of $1,467,255.04 after providing $1,158,141.85 for depreciation and $1,450,453.85 for the retirement of installment and sinking fund debentures. Eighteen municipalities had deficits during the year, aggregating $11,614.13. The total revenue of the municipal electric utilities in this system was $22,175,128.19, an increase of $1,384,021.54.

Georgian Bay System

The Georgian Bay system serves that portion of the Province adjacent to Georgian bay, inclusive of the entire counties of Bruce, Grey, Simcoe, Dufferin, and the district of Muskoka, as well as the northern portions of the counties of Huron, Wellington and Ontario, being the area north of the Niagara district and west of the Central Ontario district.

Electrical energy is obtained from five electrical developments and from a frequency changing station, through which a block of power is obtained from the Niagara system, all of which are tied together by a network of transmission lines. The combined capacity of these six sources of power approximates 22,000 horsepower. During the year the construction of a sixth development was undertaken at Trethewey Falls on the south branch of the Muskoka river with a turbine capacity of 2,300 horsepower which will probably be completed and placed in operation during the summer of 1929. Surveys were made respecting a seventh development for this district, on the Musquash river at Ragged rapids, and consideration is being given to the possibility of constructing a tie line to the Niagara system.

The results of the past year's operation were substantially better even than in 1927, which, up to that time, was the most successful year in the history of the system. A surplus was shown on the Commission's books from the sale of power to municipalities for every municipality on the system with the exception of one village, which showed a loss of about $200. The total capital invested by the Commission in this system is $5,546,340.02, and the accumulated reserves, inclusive of renewals, sinking fund, and contingencies aggregate $1,417,747.44. The revenue for the year from the rural power districts on this system which are directly operated by the Commission, amounted to $44,584.17, whereas the total cost of service was $43,086.65, thus leaving a balance of $1,497.52 to be placed to the credit of the system.

The results obtained during the year from the operation of the electrical utilities in the various municipalities have been most satisfactory. The total cost of power during the year was $101,295.25 less than the total amount collected at the interim rates. The total net surplus for the year from the various municipal electrical utilities amounted to $134,144.50 after providing $48,301.40 for depreciation, and $51,066.26 for the retirement of instalment and sinking fund debentures. Five small municipalities operated with an

aggregate loss of $1,847.41, whereas the total combined surplus of the other municipalities comprising this system was $135,991.91, and the total revenue collected was $1,024,863.76.

St. Lawrence System

The St. Lawrence system serves the district along the St. Lawrence river from Brockville east, as well as a number of towns north of the river.

Power for this system is purchased from the Cedars Rapids Transmission Company, delivery being made near Cornwall, and during the past year connection was made to the Gatineau power source by a transmission line from Brockville to Ottawa, thus securing for the system an abundant supply of power for future growth.

The Commission in this system has a total capital investment of $1,852,165.93 and accumulated reserves for renewals, sinking fund and contingencies aggregate $379,504.86. In the rural power districts of this system, which are operated directly by the Commission, the revenue for the year from customers was $23,945.92, and the total cost of supplying the service was $24,785.51, leaving a debit balance of $839.59.

With respect to the electric utilities of the municipalities comprising this system, the actual cost of power during the year was $3,387.26 less than the amounts of the interim bills. The municipal electric utilities operated with a net surplus of $33,043.86 after providing $11,152.00 for depreciation and $9,064.79 for the retirement of instalment and sinking fund debentures. Two municipalities in this system had a small deficit of $516.84. The total revenue of the municipal electric utilities in this system was $215,318.88.

Rideau System

The Rideau system serves five urban municipalities. There has recently been organized a rural power district in the vicinity of Smiths Falls, which is expected to develop rapidly. This is the first rural power district in this system.

Power for this system is received from plants on the Mississippi river at High Falls and Carleton Place. Power is also purchased from the Rideau Power Company at Merrickville. The system will have reserve capacity from the Gatineau power line, through the 110,000-volt station erected in the vicinity of Smiths Falls. From this source, abundant supply of power will be available for the future growth of the system.

The Commission in this system has a total capital investment of $1,189,021.46 and accumulated reserves for renewals, sinking fund and contingencies aggregate $258,860.96.

With respect to the electric utilities of the municipalities comprising this system the actual cost of power during the year was $12,404.72 less than the amounts of the interim bills. The various municipal electric utilities operated with a surplus of $20,550.73 after providing $9,510.00 for depreciation and $13,192.47 for the retirement of debenture debt. There were no deficits. The total revenue of the municipal electric utilities in this system was $224,795.54.

Thunder Bay System

The Thunder Bay system consists of the cities of Port Arthur and Fort William, and the village of Nipigon, situated in the district of Thunder Bay at the head of the Great lakes. Power for this system is obtained from a hydro-electric development at Cameron Falls on the Nipigon river about seventy miles east of Port Arthur.

The showing made by this system during the past year is most gratifying, as a surplus is shown in supplying power to the municipalities after providing liberally for contingency and renewal reserves, as well as interest and sinking fund charges.

Power in this district, apart from that utilized for ordinary domestic, commercial and municipal purposes, is largely employed by pulp and paper mills and terminal grain elevators in Port Arthur and Fort William. Although the pulp and paper industry passed through a period of depression last year on account of over-production, the greatest demand for power ever established in the district occurred during the month of November, 1928, and amounted to 65,000 horsepower. This exceeded the highest demand established during the previous year by approximately 18,000 horsepower. The city of Fort William, which passed through its second year of service from this system, made a much better showing than during the previous year, the average demand for power having increased by over 2,000 horsepower. The local electric utility in the municipality had a surplus for the year over and above all expenses, inclusive of depreciation of $10,000.

The highest peak established by the city of Port Arthur during the year was 42,147 horsepower, being 12,360 horsepower greater than the highest peak for the preceding year, and the average demand for the year exceeded that for the year 1927 by 4,750 horsepower.

The Commission has, in the Thunder Bay system, a total investment of $14,332,937.23, and accumulated reserves for renewals, contingencies, and sinking fund aggregating $954,005.63. The total revenue of the municipal electrical utilities in the system was $1,356,593.79, being $179,641.19 greater than in 1927, and the total revenue collected by the Commission for power sold to the municipalities and private companies was $1,145,031.55, or $114,636.45 greater than for total collections from customers during 1927. The three municipalities served by this system operated with a net surplus of $193,125.10 after providing depreciation to the extent of $35,398.00 and $22,882.10 for the retirement of debenture debt; all three showing large surpluses.

As the Cameron Falls development is now completely loaded, eight years after it was first placed in operation, the Commission is making a careful investigation as to the necessity for completing the Alexander development. This development will give an additional capacity of 54,000 horsepower.

Ottawa System

The Ottawa system comprises the city of Ottawa, the village of Richmond, and the Nepean rural power district. For many years Ottawa has been receiving power through the Hydro-Electric Power Commission from the plant of the

Ottawa and Hull Power Company. This Company is under contract to supply the Commission with 20,000 horsepower from its development in the city of Hull on the Quebec side of the Ottawa river opposite Ottawa. Both the Nepean rural power district and Richmond obtain their supply of power through the distribution system of the city of Ottawa, Richmond obtaining its power over the network of lines supplying the Nepean rural power district.

The power supply contracted for with the Ottawa and Hull Power Company is now all in use, and additional power is being obtained from the Gatineau Power Company by a special arrangement which employs the facilities of the generating plant of the Ottawa and Hull Power Company. Later, it is the intention to instal a 110,000-volt transformer station adjacent to the city.

Central Ontario and Trent System

The Central Ontario and Trent system comprises the municipalities east of Toronto as far as Kingston, connected, through a network of transmission lines, to generating plants situated on the Trent and Otonabee rivers. An additional supply of power from the Gatineau Power Company has been made available through Smiths Falls by a transmission line connected at Kingston and an abundant supply of power has thus been obtained to meet the future growth of the system. Fifteen municipalities are under contract with the Commission for a supply of power, and own and operate their own distribution systems. Fourteen municipal electrical utilities are operated as Government properties.

For financial purposes, the Nipissing system referred to below, is included with the Central Ontario and Trent system. After operating, maintenance and interest charges were met out of the revenue from the system, the balance remaining was in excess of the sum required to meet in full the necessary amortization and depreciation reserves by $12,390.50. The total reserves to date, provided out of earnings and held specifically for the benefit of the system, amount to $2,721,628.18.

Nipissing System

This system serves the district adjacent to and inclusive of the city of North Bay, the town of Powassan, and the villages of Callander and Nipissing, adjacent to the eastern end of lake Nipissing. Two hydro-electric developments serve this system; both are situated on the South river, one at Nipissing and the other at Bingham Chute. During the year the Commission has undertaken a third development at Elliott Chute, a short distance above the Bingham Chute plant. The capacity of the new development when completed will be 1,800 horsepower and it is expected that it will be placed in operation in the late summer of 1929. Due to a steady increase in demand for power at North Bay an additional circuit was constructed on the existing transmission line from the Bingham Chute development to the city limits, and arrangements were made for providing a second substation inside the city limits.

The Annual Report

The Table of Contents, pages xxi and xxii, conveys a good understanding of the scope of the matters dealt with in the Report, to which there is also a comprehensive Index. To those not conversant with the Commission's Reports the following notes will be useful.

In Section II, pages 6 to 49, dealing with the Operation of the Systems, are a number of interesting diagrams showing, graphically, the increase in the loads on the various systems. Tables are also presented showing the amounts of power taken by the various municipalities during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III, on pages 60 to 72. The power distributed to rural districts is, and possibly must always be, but a relatively small proportion of the power distributed by the Commission. The supplying of electrical service in rural areas, and especially on the farm, has, however, been of great economic benefit to Ontario. The Provincial Government grants-in-aid to this work have been of value to agricultural activities, and have assisted the Commission to extend transmission lines to many areas.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About three-fifths of the Report is devoted to statistical, financial data which are presented in two Sections, IX and X.

Section IX presents in summary form the financial statements relating to the operations of the Commission in the generation, transformation and transmission of electrical energy to the co-operating municipalities. It is introduced by an important explanatory statement which appears on pages 113 to 117, to which special reference should be made.

Section X presents in summary form the financial statements relating to the operations of the municipalities in the localized distribution of electrical energy to consumers. It also contains details of the costs of electrical energy to consumers in the various municipalities and tabular statements of the rates in force which have produced these costs. An explanation of the various tables and statements is given at the commencement of this Section on pages 245 to 247; and a special introduction to Statement "D," which relates to the cost of electrical service in Ontario, together with a diagram, appears on pages 354 to 357.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements descriptive of the operations of the Commission in various branches of its work are suitably placed throughout the Report in order that the citizens of the Province may be kept fully informed upon the working-out of the Commission's policies.

Water Rentals and Certain Advances from the Government

It is gratifying to be able to report that the Commission has reached a settlement with the Government of the Province on all outstanding questions in respect to water rentals to be paid by the Commission, including unpaid

balances claimed from January 25, 1922, to date, and in respect to the repayment of certain monies that had been advanced to the Commission and carried by the Province, during the period January 1, 1909, to October 31, 1925, and had been used for purposes incidental to the establishment and ultimate benefit of the power systems.

Both of these matters were finally settled and the Government is now completing all the leases to which the Commission is entitled. Further, a clear understanding has been reached as to the terms and conditions upon which additional leases required by the Commission for water privileges will be issued. It is a source of satisfaction to the Commission to be able to report that the undertaking is now absolutely free of all obligations to the Government of the Province, other than advances on account of capital upon which sinking fund payments and interest, as provided by law, are being promptly paid as they become due.

Reserves and Power Rates

As the accounts reveal, the Commission's reserves are increasing most satisfactorily. As late as 1925 these showed an increase over the previous year of about three and a half million dollars. In the year just closed the reserves would have shown an increase of fully eight million dollars were it not for the payments made to the Province in order to complete the settlements above referred to.

The absolute necessity for building up strong reserves in any Hydro-electric enterprise cannot too strongly be stressed, especially where power from sources of supply will have to be transmitted considerable distances. The Commission believes it has the unanimous support of the municipalities in such a policy, and especially so long as the favorable rates established by the Commission are maintained. The Commission realizes that there are a few places where, due to special local conditions, the rates are high compared with the vast majority of communities served by the Commission.

The endeavor of the Commission is not the concentration of industry at a few large power sites, but rather the broader policy of making as widespread a distribution of electrical energy as is economically possible. Such a policy stimulates industrial and commercial activity and results in a province-wide production of wealth, thereby adding to the general comfort and welfare of the people. In this connection the extension of rural lines—now about 1,000 miles yearly—plays an important part in the work of the organization. The Commission is aware that there are some who feel more should be done by way of lower rates in certain rural communities. It must, however, be remembered that every enterprise, great or small, goes forward through a process of evolution —a year to year growth—and I am quite confident that inequalities which appear from time to time will be satisfactorily removed under the supervision of the Commission, and with the co-operation of the municipal systems, all of which have the single purpose of providing the consumer with the best possible service.

Acknowledgments

This report would be quite incomplete without an acknowledgment of the loyal support of all employees. This is no formal statement. Occasionally it is charged that this municipally-controlled organization suffers because of the

lack of a directorate having a financial interest in the property. After three years' experience as Chairman, I confess that this feature does not concern me. The capacity and sincerity of purpose of the staff and others in every organization is, after all, what enables the best results to be obtained. It gives me much pleasure to pay this tribute to those carrying on the work of this hydro-electric enterprise throughout the vast areas of this Province. At the same time I must point out that such a fine sense of duty can only be maintained in the organization so long as those representing the people in the Legislature and elsewhere make it clear, at all times, that the services of the employees of this hydro-electric power enterprise are fully appreciated.

To the Press of the Province, the Commission again wishes to express its appreciation for the support and service given to this extensive public undertaking.

Respectfully submitted,

CHARLES A. MAGRATH,

Chairman.

Toronto, Ontario, March 31st, 1929.

Charles A. Magrath, Esq.,
Chairman, Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

Sir,—I have the honour to transmit herewith the Twenty-first Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1928.

I have the honour to be,
Sir,
Your obedient servant,
W. W. Pope,
Secretary.

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TWENTY-FIRST ANNUAL REPORT

OF THE

Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL

At the 1928 Session of the Legislative Assembly of the Province of Ontario, The Power Commission Act, 1928, was passed. It appears in the Statutes of Ontario for 1928 as Chapter 19 and is reproduced in full in Appendix I to this report.

The agreements between the Hydro-Electric Power Commission of Ontario and the Municipalities and Corporations mentioned in the list hereunder given were approved by Order-in-Council dated the 13th day of January, 1927.

Towns

Amherstburg	Mar. 22, 1926.
La Salle	Nov. 17, 1925.

Villages

Fonthill	Mar. 26, 1926.
Richmond Hill	Nov. 2, 1925.
Russell	Aug. 26, 1925.

Townships

Adelaide	Feb. 22, 1926.
Aldborough	Jan. 11, 1926.
Bayham	Nov. 2, 1925.
Burford	July 16, 1925.
Charlotteville	Sept. 14, 1925.
Colchester North	May 4, 1925.
Dunwich	Nov. 2, 1925.
Elma	Sept. 30, 1925.
Goderich	Nov. 2, 1925.
Grey	Feb. 8, 1926.
Gwillimbury East	Nov. 5, 1925.
Innisfil	June 8, 1925.
Melancthon	Sept. 24, 1925.

Townships—Continued

McKillop	May 30, 1925.
Morris	April 6, 1925.
Morrison	Mar. 20, 1925.
Nelson	Oct. 5, 1925.
Nichol	Oct. 2, 1925.
North Grimsby	April 10, 1926.
North Norwich	May 23, 1925.
Oneida	May 30, 1925.
Orillia	April 6, 1925.
Pickering	Aug. 4, 1925.
Pilkington	Nov. 5, 1925.
Rainham	Mar. 2, 1925.
Rama	May 4, 1925.
Russell	Mar. 1, 1926.
Tilbury North	Jan. 11, 1926.
Townsend	Aug. 17, 1925.
Toronto Gore	Mar. 1, 1926.
Trafalgar	June 13, 1924.
Uxbridge	May 23, 1925.
Wainfleet	April 7, 1925.
Walpole	July 18, 1925.
Whitchurch	Jan. 11, 1926.
Wilmot	Feb. 16, 1925.
Windham	Aug. 15, 1925.

CORPORATIONS

American Cyanamid Company	April 25, 1925,
Canada Creosote Company	July 22, 1925.
Canadian National Railway Company	Feb. 1, 1925.
Cooksville Shale Brick Company, Ltd	April 30, 1925.
William Couse	Oct. 30, 1925.
Daverin Paper Mills, Ltd	June 29, 1925.
Department of Provincial Secretary, Boys' Training School, Bowmanville	Aug. 20, 1925.
The Department of Lands and Forests	Sept. 1, 1924.
Flavelles, Ltd	July 18, 1925.
Cananoque Spring and Axle Company, Ltd	Oct. 29, 1925.
His Majesty the King, represented herein by The Minister of National Defence of the Dominion of Canada	June 20, 1925.
His Majesty the King, represented herein by The Minister of National Defence of the Dominion of Canada (Electric Pumps)	June 20, 1925.
The Hastings Paper Company, Ltd	Oct. 15, 1924.
The Hecker-H O Company of Canada, Ltd	Aug. 17, 1925.
Alice R. Hope (The Dominion Wholesale Manufacturing Company)	Dec. 29, 1925.
Horn Brothers Woollen Company, Ltd	Jan. 12, 1925.
The Interprovincial Brick Company of Canada, Ltd	May 12, 1925.
E. O. Leahey and Company, Ltd	Mar. 5, 1926.
Ontario Rock Company, Ltd	Oct. 2, 1925.
National Castings, Limited	May 26, 1925.
The Nichols Chemical Company, Ltd	Feb. 9, 1925.
Nut Krust Bakeries, Limited	April 1, 1925.
Ontario Paper Company, Ltd	Jan. 1, 1926.
Oriental Textile Company	June 6, 1925.
S. G. Parkin	Mar. 1, 1925.
Pedlar People, Limited	June 8, 1925.
E. W. Reid and Son	Dec. 21, 1925.
The Roy Wolfe Brewing Company	May 21, 1925.
William R. Dawson, and Roy Chapman (Dawson and Chapman)	Oct. 21, 1925.
Township of Grantham	April 18, 1924.
" North Norwich	May 23, 1925.
" South Norwich	May 4, 1925.
" Townsend	Aug. 17, 1925.
" Vaughan	Dec. 15, 1924.
Township of East York and Township of York, varying an Agreement between the Commission and the Township of York dated the 22 May, 1919	May 30, 1925.

The Year's Activities

The past year has been a busy one with the Commission's Legal Department. Routine activities have dealt with several important matters such as Toronto Power Company affairs, radial railway problems, power rights, litigation, matters connected with crossings and the joint use of poles, street lighting in smaller communities, and the usual kinds of enquiries from municipal officials respecting the legal aspects of various matters arising in connection with their "Hydro" utilities.

Apart from the statutory enactment noted above, other legislation required attention and consideration. The Public Utilities Act was amended and The Electricity Inspection Act was re-cast and extensively revised.

Negotiations for the second contract for the purchase of power from the Gatineau Power Company were consummated. The terms were finally settled and the contract approved by Order-in-Council. This contract is for sixty-cycle power and will greatly assist the Central Ontario and Trent and other systems in the eastern part of the Province.

A number of agreements were negotiated for Commission's wires crossing over railways and lines of other companies.

Contracts were completed from time to time for purchase of electrical equipment. Some of these involved large amounts such as those in connection with the Gatineau power. Contracts were also drawn for the purchase of hydraulic equipment required at different points. Suitable contracts were drawn for the construction of a highway bridge over the Queenston-Chippawa power canal and for the construction of an undercrossing under one of the railways at another point along the said canal.

Municipal cost contracts were completed with eight new municipalities which during the year joined the "Hydro" undertaking. Some thirty rural power contracts were completed with townships for rural distribution of power by the Commission. A number of contracts were made with industrial consumers, some for substantial blocks of power. Contracts were also made with several industries for off-peak power. Some of the standard forms for sale of power were modified to incorporate recent revisions in the legislation and to include other changes shown from experience to be desirable.

Transfers were made of a few local systems and the necessary documents were drawn and executed. In a number of cases transmission lines were transferred to rural power districts, equalizing the service to the rural customers in the locality.

Right-of-Way

The extension of rural power lines has proceeded very rapidly in different parts of the province during the year. This work has required the securing of approval of the Commission's plans by a large number of commissions and municipalities having control of the various classes of roads, for the location of pole lines on public roads, as well as for the securing of rights for line locations from private owners where it did not prove advantageous to place the lines on the highways. The securing of such rights as well as tree trimming and the settlement of damage claims has been proceeded with in the following rural power districts:—Aylmer, Ayr, Beamsville, Beaumaris, Belleville, Blenheim, Bond Lake, Brampton, Brockville, Brant, Chesterville, Caledonia, Clinton, Cobourg, Dorchester, Drumbo, Dundas, Grantham, Ingersoll, Keswick, Kingston, London, Markham, Milton, Mitchell, Nepean, Oshawa, Peterboro, Port Hope, Preston, Ridgetown, Saltfleet, Sandwich, Scarboro, Simcoe, St. Mary's, Streetsville, Tara, Tilbury, Wallaceburg, Waterford, Welland, Wellington, Woodbridge, Woodstock.

Low-Tension Lines

Right-of-Way and settlements covering pole rights, tree trimming, damage claims, etc., have been secured on the following low tension lines during the year:—

Toronto to Oshawa,
Belleville transformer station to Canadian Industrial Alcohol,
Napanee to Kingston,
Newcombe junction to Welcome junction,
Port Hope to Newcastle.
Bowmanville to Oshawa,
Whitby junction to Whitby municipal station,
Oshawa to Port Hope,
Burford to Waterford,
Mount Vernon to Burford line,
Sebringville to Milverton,
Seaforth to Clinton,
Mitchell to Listowell,
Palmerston to Moorefield,
Stratford to Goderich,
Preston to Hespeler,
Guelph to Rockwood,

Cross & Wellington junction to Cross & Wellington line,
Holyrood to Lucknow,
Waubaushene to South Falls,
Trethewey Falls to South Falls,
Hanna Chute to South Falls,
Chesterville to Finch,
Brockville to Athens,
Morrisburg to Prescott,
Dominionville junction to Alexandria station,
Hamilton to Guelph,
Kitchener to Stratford,
Woodstock to Ingersoll,
St. Thomas station to Kent station,
St. Thomas to Sarnia,
Brant to Brantford,
Toronto to Dundas,
Kent transformer station to Wallaceburg distributing station,
Essex to Windsor,
Essex station to Ford junction,
Mimico Creek to Davenport,
Toronto to Bridgman Avenue transformer station,
Queenston development to Welland canal,
Pelham junction to Nelson junction,
Pelham to St. Thomas,
Simcoe junction to St. Williams distributing station,
Broughdale junction to Ailsa Craig junction,
Mitchell to Moncton,
Dorchester to Thamesford,
Hagersville to Jarvis,
Simcoe junction to St. Williams distributing station,
Fletcher to Merlin,
Ridgetown to Rondeau Park,
Bothwell junction to Wallaceburg junction,
Tilbury to Comber,
Streetsville to Brittania Corners,
Cooksville to Brampton line,
Etobicoke creek to Centre Road, Port Credit,
Sarnia to Courtright line,
Barrie to Midland,
Barrie to Penetang,
Waubaushene to Midland,
Beaverton to Brechin,
Callander to North Bay,
Elliott Chute to Bingham,
Thorold junction to Lincoln junction,
Weston junction to Weston municipal station,
Leaside junction to Sun Brick Company junction,
Dundas junction to Lynden distributing station,
Camp Borden to Barrie distributing station,

Substation Sites

Sites have been purchased for new substations at the following places:— Beaumaris, Innisfil, La Salle, Merlin, Oshawa, Rondeau, Scarborough, Smiths Falls.

Flooding Rights

The purchase of dam sites and flooding rights has been commenced in connection with development work at the following places:—

Elliott Chute on South river in connection with the Nipissing system.
Trethewey Falls on the Muskoka river in the Muskoka system.
This Work will be proceeded with and completed during the ensuing year.

Gatineau High-Tension Line

The purchase of tower rights for the Gatineau line has been practically completed, and settlements covering clearing rights as well as the usual claims for damages to crops, fences, etc., have nearly all been disposed of. There are only a few of these claims now outstanding.

New High-Tension Lines

During the year new high-tension lines were projected and carried to completion as follows:—

1. **From a point on the Ottawa River to Smiths Falls:** This line from the Ottawa river to the point where it crosses the Canadian National Railway was of steel-tower construction, for which land comprising the right-of-way was purchased. This necessitated buying thirty-two separate parcels of land.

From the Canadian National Railway crossing to Smiths Falls the line was of double, wood-pole construction. Nearly all this right-of-way has been secured, and the majority of incidental claims have been settled.

2. **From Smiths Falls to Kingston:** This line is of steel-tower construction, and the right-of-way has been nearly all secured.

3. **From Smiths Falls to Brockville:** This line is constructed of double wood poles, and the work of securing right-of-way is well advanced.

A steel-tower line connecting the new Leaside transformer station with Davenport transformer station, located partly on the Canadian Pacific Railway right-of-way and partly on private properties, has also been completed. This line links up the Gatineau line with the Niagara system. The purchase of this right-of-way through the city of Toronto was quite involved, but has been successfully completed.

A few parcels of property no longer required by the Commission have been disposed of.

Negotiations for a number of leases for offices in connection with rural power districts, and electrical inspection work have also been completed.

In quite a number of cases the new transmission lines, both rural and high-tension, have crossed navigable waters controlled by the Dominion Government. In all such cases it has been necessary to secure the permission of that government as well as licenses of occupation from the Provincial Government.

On account of the Provincial Department of Highways continuing its work of improvement on the various highways it has been found necessary to arrange with that department for the moving of poles in different places.

SECTION II

OPERATION OF THE SYSTEMS

On all systems conditions generally have been favourable for operation and maintenance notwithstanding increasing loads, and it has been possible to give a satisfactory and practically continuous service.

The growth of load has been encouraging and indicative of good industrial conditions. Peak loads on every system show an increase over the previous year, and the total energy used was greater on all systems except the Thunder Bay system where the closing down of large mills materially reduced the total load for the year. Graphs are given in this section of the Report showing the peak loads on each system from month to month. The total load of the Commission, excluding any export power, increased during the year by 310,000,000 kw-hr.

Compared with the previous year's increases the figures appear even more favourable, particularly on the Georgian Bay system where last year's increase was 9,460,000 kw-hr. compared with the previous year's increase of 2,970,000 kw-hr.; on the Central Ontario system where last year's increase was 16,420,000 kw-hr. against the previous year's 4,780,000 kw-hr.; and on the Niagara system where (excluding any export power) this last year's increase was 283,900,000 kw-hr. compared with the previous year's figure of 135,300,000 kw-hr.

The table of total power generated and purchased shows that the energy generated by the Commission's plants this year passed the four billion mark, the total being 4,104,000,000 kw-hr., an increase in the year of 200,000,000 kw-hr. The energy purchased during the year increased from 201,000,000 to 236,000,000 kw-hr. an increase of 35,000,000 kw-hr. Out of this increase in purchased power, about 5,600,000 kw-hr. were required for the Ottawa system and 5,700,000 for the St. Lawrence system, representing the increased load on these systems above the previous year, both of the systems being entirely dependent on purchased power to take care of any growth in the load. The balance was mainly for the Niagara system, in this case representing but a small portion of the growth of the load on the system, which, exclusive of export power, amounted to 283,900,000 kw-hr. The Georgian Bay system required an increased supply from outside sources of 1,640,000 kw-hr., the system's own generating plants increasing their output by 7,820,000 kw-hr. to take care of the growth of load on the system.

As shown by the figures for plant capacity and load carried, all plants of the Commission have been heavily loaded. On the Niagara system the output of the Queenston plant was increased 171,000,000 kw-hr. and the output of the Ontario Power plant 23,000,000 kw-hr. This increased output was made possible by the system of load-dispatching adopted, which has distributed the load so as to secure the greatest possible output from the water available. The Toronto Power plant output was slightly reduced, to the extent of 7,000,000 kw-hr., this reduction being made because of the lower efficiency of this plant, the load dispatchers endeavouring to distribute the load as far as possible to the plants which produce the most power from the least water. The lower efficiency referred to results from the original design and the lower head of water at the Toronto Power plant, the equipment being maintained in a state of good efficiency.

The generating plants on the northern and eastern systems in general show heavier loads than last year. Favourable water conditions have been a large factor in making this increased output possible. The stream flow in all parts of the Province where the Commission has generating plants has been higher than normal, and well sustained throughout what is usually the dry season during summer and fall. In fact, this year conditions were somewhat reversed from recent years, and instead of the Operating department having to cope with inadequate water supply, they were troubled with excessive stream flow, resulting in the actual flooding of two power houses and at times reducing the capacity of various generating plants by the high level of the water in the tail races. This latter trouble was not serious, occurring mostly at times when there was surplus generating capacity.

To avoid misunderstanding of what may seem like a contradiction in the references above to heavily loaded plants and surplus generating capacity, it may be worth while explaining some of the forms of surplus capacity which may be mentioned in this Report and elsewhere. In order to give a reliable and continuous service a certain amount of extra equipment must be provided above maximum load requirements to permit units being taken out of operation for inspection and repair without interrupting service. When such equipment has been put in efficient condition, and if no other apparatus develops defects, a temporary surplus capacity may exist for an uncertain period of time. Another form of surplus capacity arises out of the necessity of providing sufficient generating plants to meet load requirement when stream flow conditions are normal or low. An exceptionally favourable year for precipitation, such as the past year, thus provides a certain surplus generating capacity.

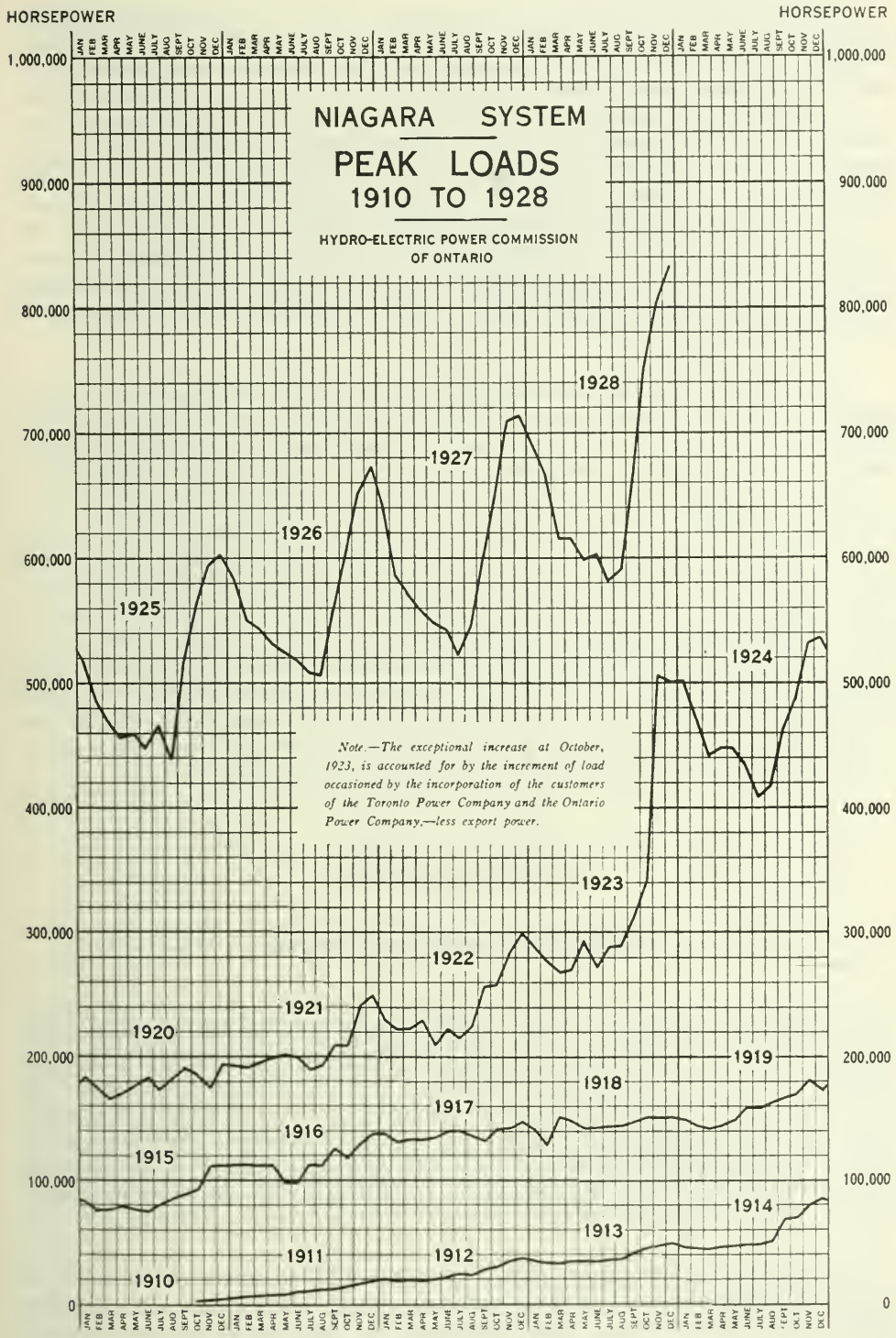
A third form of surplus capacity arises out of the seasonal and hourly variation in the use of power. This is the form usually referred to as off-peak power. In the fall and winter when factories are busy and the lighting load comes on before the factories and stores close, there is a particularly heavy demand for power around five o'clock. Equipment adequate to generate, transform and distribute enough power to meet this demand implies a surplus capacity during other seasons when this overlap in demand does not exist. There is also the weekly reduction in load from Saturday noon or evening until Monday morning, and the daily reduction between 11.00 p.m. and 7.00 a.m., when most factories do not use power.

TOTAL POWER GENERATED AND PURCHASED

Plant	Normal operating capacity Oct. 31, 1928 horsepower	Peak load during fiscal year 1927-1928 horsepower	Total output during fiscal year 1927-1928 kilowatt-hours
HYDRO-ELECTRIC GENERATING PLANTS			
Niagara: Queenston plant	522,790	529,469	2,705,236,000
Niagara: "Ontario Power" plant	183,650	182,574	752,471,400
Niagara: "Toronto Power" plant	147,450	141,019	181,520,000
Sidney, Dam No. 2	4,020	4,960	19,531,200
Frankford, Dam No. 5	3,485	4,021	14,222,650
Meyersburg, Dam No. 8	6,430	8,150	23,249,430
Hague's Reach, Dam No. 9	4,500	4,826	15,040,580
Ranney Falls, Dam No. 10	9,650	10,992	38,745,540
Seymour, Dam No. 11	4,020	4,397	17,852,000
Heely Falls, Dam No. 14	12,060	15,684	34,153,260
Auburn, Dam No. 18	2,010	2,574	9,931,770
Fenelon Falls, Dam No. 30	1,000	978	1,666,440
Cameron Falls	75,000	57,003	200,338,600
Big Chute	5,700	5,845	18,047,040
Eugenia Falls	7,300	7,453	17,296,600
Wasdells Falls	1,200	1,220	4,370,280
South Falls	5,200	5,823	26,406,960
Hanna Chute	1,500	1,608	7,322,400
High Falls	2,400	2,949	7,118,000
Carleton Place	428	402	59,224
Nipissing	2,346	2,346	7,973,570
Bingham Chute	1,200	1,295	1,984,640
	1,003,339	995,588*	4,104,537,584
POWER PURCHASED			
	Contract amount horsepower	Peak horsepower	Total purchase kilowatt-hours
Canadian Niagara Power Co	20,000	21,582	99,210,000
Gatineau Power Co.—25 cycle	80,000	93,834	31,121,000
Orillia Water, Light & Power Commission‡	.....	1,863	23,470
C.P.R. plant, Port McNicoll	1,072	1,072	9,300
Owen Sound steam plant	900	.....	.....
Rideau Power Co	.....	911	2,847,240
Ottawa & Hull Power & Mfg. Co	20,000	20,000	63,852,514
Gatineau Power Co.—60 cycle	6,000	241	157,886
Cedars Rapids Power Co	8,700	9,896	37,327,000
Campbellford Water & Light Commission‡	1,876	2,279	2,368,500
Peterborough Hydraulic Power Co‡	.....	2,279	41,840
Canadian General Electric Co.	.....	.....	2,300
Corporation of Fenelon Falls‡	.....	.....	.....
Total purchased	138,548	153,957*	236,961,050
Grand total, 1928	1,141,887	1,149,545*	4,341,498,634
Grand total, 1927	1,073,680	1,019,035*	4,106,234,458
Increase	+68,207	+130,510*	+235,264,176

*Peak totals given are direct sums of plant peaks as shown, without allowance for diversity in time. Therefore these totals do not indicate the demands on the various systems where there is more than one plant supplying power.

‡Reciprocal arrangement for surplus power.


HORSEPOWER
HORSEPOWER
NIAGARA SYSTEM
PEAK LOADS
1910 TO 1928
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.

For any one or more of the above reasons a plant or system may be loaded to the limit of its capacity and yet at certain hours or seasons have a certain surplus. Efforts are made to utilize part of the seasonal variation for maintenance purposes, as equipment may be taken out of service during the spring and summer without affecting the reduced load at that time; also to take advantage of the daily and weekly variation in load to carry out minor jobs of maintenance or inspection which can be completed in the limited time before load demands again require the equipment in service. Efforts are also made to sell the surplus power during the seasonal or daily low-load periods, but there are only a limited number of industries which can operate on this uncertain basis, subject to shutdown for lack of power during the hours when other factories are busy, and on all systems a certain surplus exists at times, no matter how heavily loaded they may be.

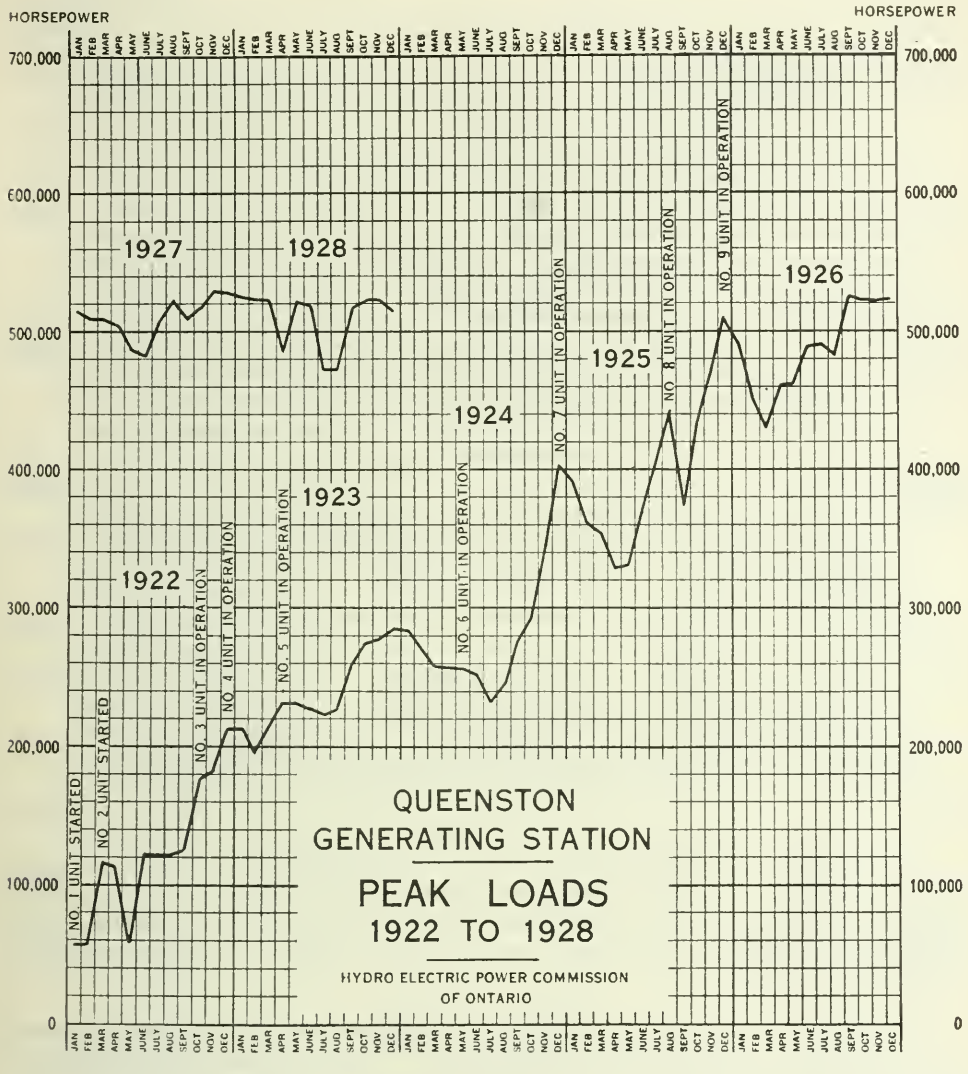
In the past year the favourable water flow on the northern and eastern systems enabled maintenance work to be carried out much more continuously and conveniently than would otherwise have been possible, and has relieved a certain anxiety regarding the ability of the plants to meet the load demand in the autumn of 1928. The plants generally are in a good state of efficiency and the stream flow at the end of the fiscal year together with the amount of water in storage in the head lakes gives every prospect of a favourable water supply for the heavy load during the fall and winter of 1928-29. While the Niagara system is not affected by precipitation and storage, the water used being dependent on treaty rights, the supply of power from the Gatineau river which commenced October 1, 1928, has relieved conditions there during the one month in which power has been supplied, but the amount of power for 1928-29 covered by the new contract is not sufficient to supply the additional load on the system so that there is no prospect of reduction in the load on the plants at Niagara which are already operating close to their maximum capacity.

NIAGARA SYSTEM

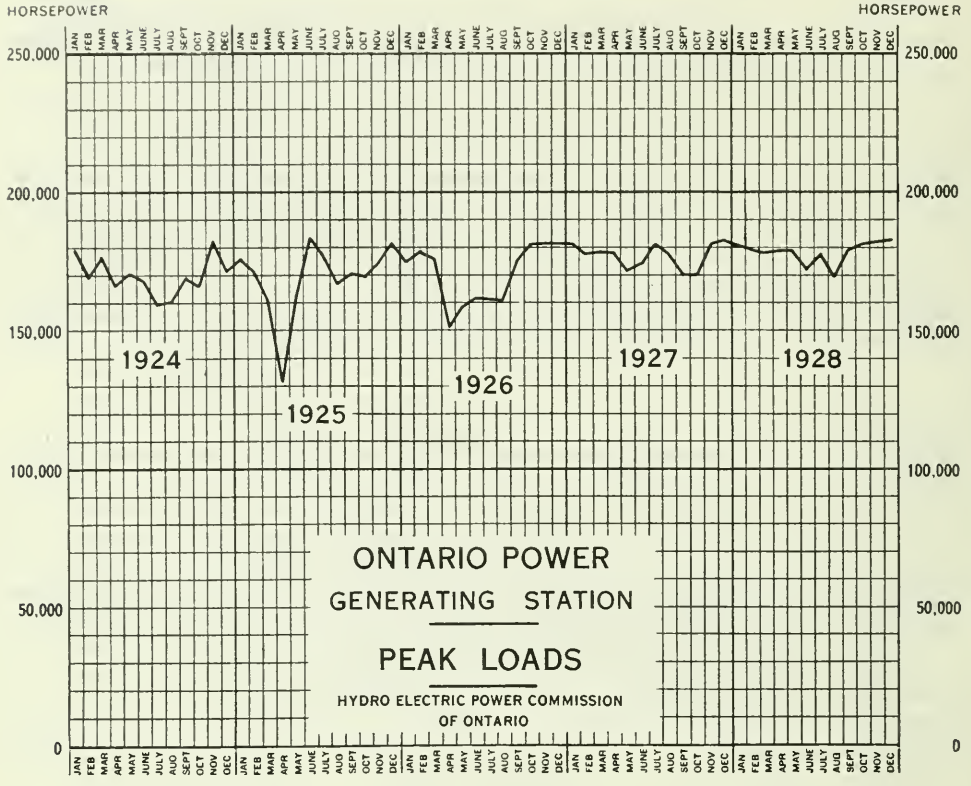
Queenston Generating Station

Queenston plant has continued to carry load at high load-factors, as shown by the figures for the total output, and has never been completely off the line during the year. On account of the plant's efficiency in the ratio of output to water consumption, the same policy of load distribution as in the preceding year has been followed, that is, Queenston has carried as much as possible of the steady load, the other plants carrying the peaks or excess demand. This method of operation requires constant attention and care in switching loads so as to permit the greatest possible amount of power to be generated from the water available, but the results have been a greatly increased total output and revenue.

From the first of November to the latter part of March no major maintenance work was undertaken as all of the generators were required for service. Routine maintenance was carried out on such equipment as could be removed temporarily from operation without interfering with the output of the plant.



On March 26 one coil failed in generator No. 5, damaging two other coils. The usual seasonal reduction in load rendered the temporary reduction in plant capacity of less importance than if it had occurred earlier. All coils were removed and a spare set installed, an additional bracing ring being added. While the generator was shut down for this purpose all parts of the unit were inspected and repairs made where needed, including welding of the turbine runner, installation of new turbine seal rings and draft tube lower seals, adjustment of turbine guide bearings, etc. The draft tube cone, 24 feet in diameter at the base and 8 feet high, was found to have disappeared together with most of the floor which was undermined to a depth of 12 feet at one point. The floor was replaced with heavily reinforced concrete and the cone reconstructed in such a manner as to preclude the possibility of a recurrence of this trouble. This work had to be rushed to completion so as not to delay the return of the generator to service, which was effected May 14.



Following the work on No. 5 generator, the windings of No. 4 generator were replaced to prevent similar trouble developing, the re-conditioned coils from No. 5 generator being used. The turbine and other parts of the unit were overhauled during this shutdown, the work being finally completed and unit back in service July 29.

On July 17 trouble in No. 7 generator developed into a fire which damaged some fifty coils. Similar repairs were made to this unit as to No. 4 and No. 5, re-conditioned coils removed from No. 4 generator and from No. 7 generator being used to replace the original winding. The top of the cone in the draft tube in No. 7 unit was cut off and a cast-iron cap installed, somewhat reducing the height of the cone. All work on this unit was completed and it was returned to service September 23.

During the summer draft tubes were unwatered and a careful inspection made of the concrete below the water line. With the exception of No. 5 unit, as mentioned above, all were found in excellent condition.

The turbine guide bearings on all units were re-blocked and re-fitted to the shafts.

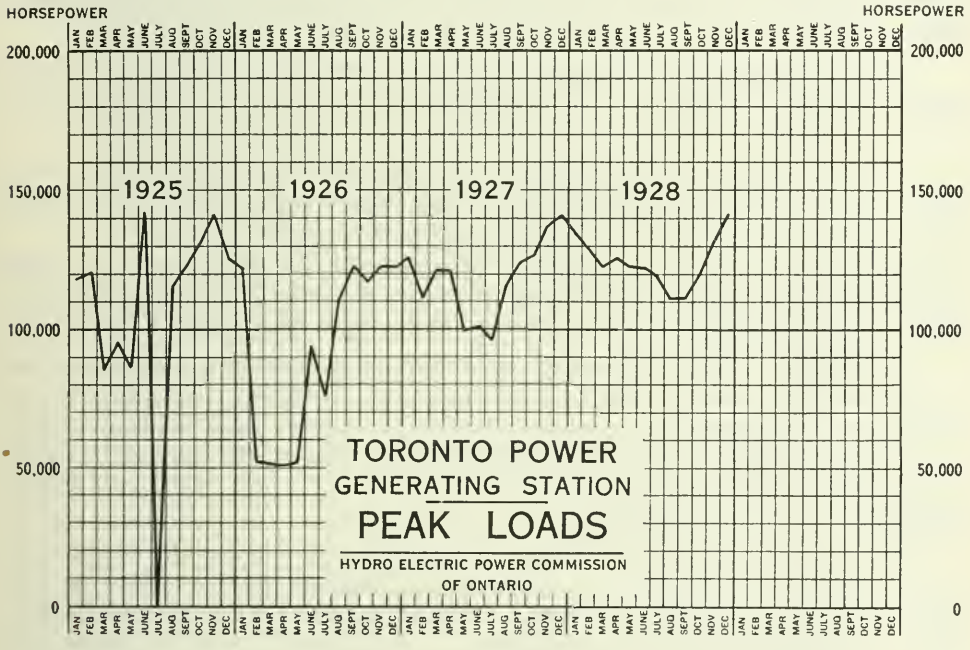
A number of the roof-entrance bushings on the 110,000-volt lines had the compound filling replaced by oil, work being carried out as demands for power permitted. This work will be continued until all bushings are changed.

Ontario Power Plant

No serious troubles were experienced in the operation of the plant during the year. On April 15, coils in No. 4 generator broke down under load and were repaired and returned to service on April 21. No. 7 generator was removed from service in May for a general overhauling and to install a new turbine runner. No. 14 generator was removed from service in July for the same purpose.

At the screen house a new gallery was installed along the east curtain wall to facilitate the dislodging of ice collecting there during the winter months. Alterations were also made to the inner forebay which have made much easier the disposal of the ice collecting at this point. A large number of stop-logs have been armoured, which greatly increases their life.

The regular inspection and repair of all power-plant equipment was carried out as usual, keeping the plant in good operating condition.



Toronto Power Plant

There were no generator failures at this plant during the year. Turbines Nos. 3 and 5 were given a general overhauling and all worn parts repaired or renewed. Maintenance work was also done on turbines Nos. 1, 4, 5, 6, 7, 8, 9, and 11. Motor-generator exciter set No. 400 was completely overhauled and the bearings on No. 300 motor-generator set were renewed and the rotor balanced.

All electrical equipment was regularly inspected and repairs made where necessary, including generators, exciters, switching equipment, cables, etc.

No. 1 transformer in No. 2 bank at the transformer station, of 6,000-kv-a. capacity, failed in service on September 15. This unit is now being rebuilt.

Transmission, Transformation and Distribution

The operation of the transmission system continued under the same general conditions as last year. The operation of the system divided up into two sub-systems was continued until October 21, when, to better handle the power being supplied from the Gatineau river, the system was split into three divisions known as the yellow, green and brown.

There were no complete interruptions to all service during the year, making the fourth consecutive year to which this statement applies. The sub-system to the west had one short interruption, and the sub-system to the east had two short interruptions to service.

On January 24 and 25 there was a sleet storm fairly general over the system, which caused a few failures on the Commission's low-tension lines. On April 19 and 20 during a severe wind storm, a bank of 5,000-kv-a. units in Kitchener high-tension station failed in service. On July 27, a fire developed in Woodstock station caused by the failure of several low-tension breakers during a lightning storm.

All station equipment received the regular periodical inspection and repairs where necessary. At Preston and Guelph the 110,000-volt line oil-breakers were reinforced, made automatic, and had their carrying capacity increased.

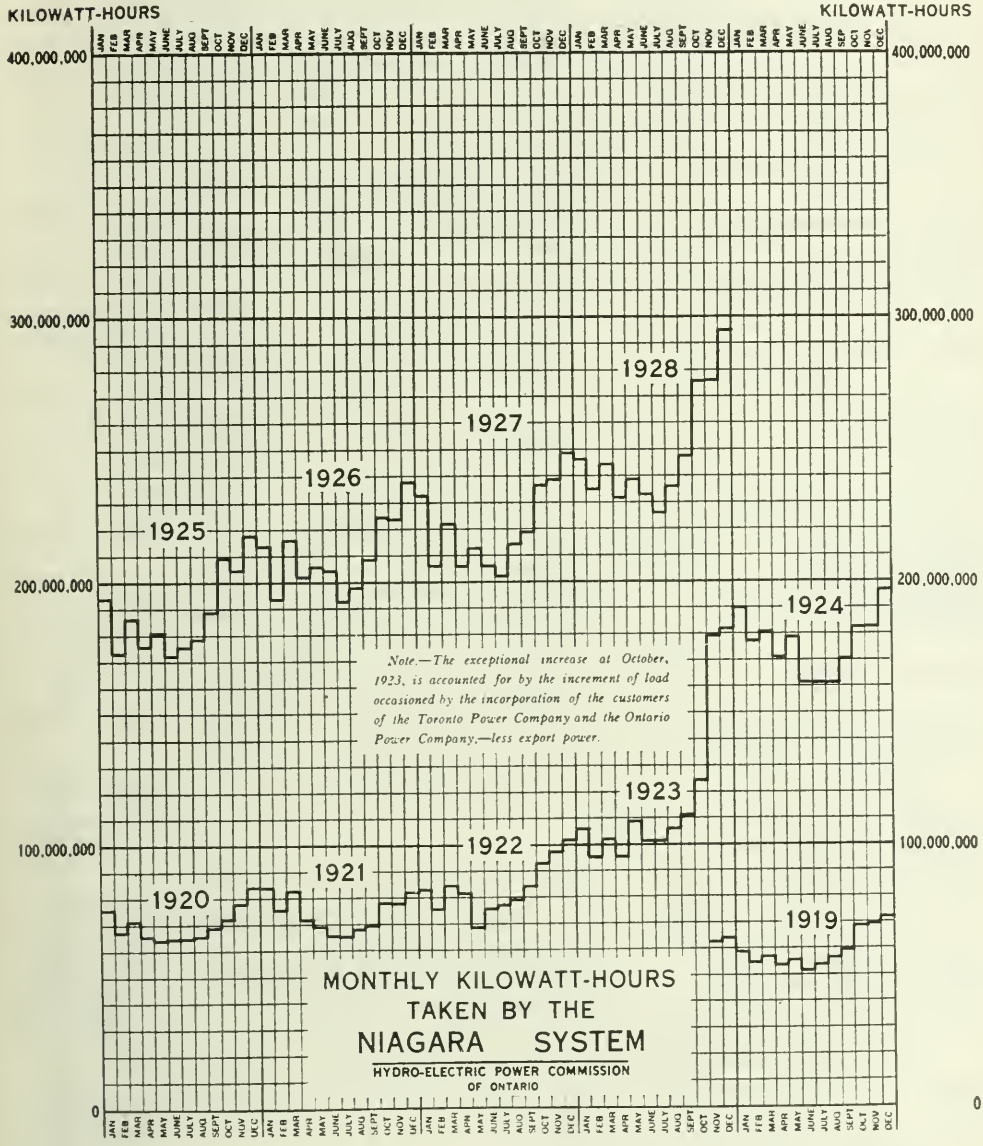
Twenty-seven transformer failures occurred during the year of which seven were returned to the manufacturers for repairs, fifteen were rebuilt by the Commission's maintenance staff and five are now undergoing repair.

On the high-tension transmission lines and on the distribution lines the regular patrol and maintenance work was carried out. In the Niagara Falls, London and Kent districts practically all lines at railway crossings were rebuilt.

The regular routine inspection and maintenance work was carried out on all telephone lines and the work of phantoming the two physical circuits between Dundas and St. Thomas stations was completed, adding a third communication circuit in this district. At Brantford, Kent, and Essex high-tension stations new telephone protective equipment was installed and a new telephone switch-board placed in service at Essex.

New gang-operated disconnecting switches were installed on the 60,000-volt tie line between Welland and Thorold and at Niagara station, replacing the single-pole hand-operated switches at these points. This change greatly facilitates operation in case of emergency. The second 60,000-volt trunk line feeding the Niagara, Lockport and Ontario Power Company from the Ontario Power plant was reinsulated with suspension insulators during the year.

On the distribution lines the following were put into operation: 26,400-volt lines from Rondeau Junction to Rondeau; from Canada Steel Junction to the Canada Steel Company, Ojibway; and a new circuit from Brantford high-tension station to Brantford. The circuit from Tilbury Junction to Chatham was sold to Chatham. New 13,200-volt lines were installed as follows: from the Ontario Power transformer station to Niagara municipal station; from Queenston Quarry junction to Queenston Quarry; from Georgetown distributing station to Provincial Paper Mills, Georgetown; from Aurora junction to Aurora distributing station; and from Woodstock distributing station to Dufferin Construction Company.


KILOWATT-HOURS
KILOWATT-HOURS
400,000,000
300,000,000
200,000,000
100,000,000
0
1928
1927
1926
1925
1924
1923
1922
1921
1920
1919
Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.
MONTHLY KILOWATT-HOURS
TAKEN BY THE
NIAGARA SYSTEM
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

During the year a number of changes were made in the capacity of high-tension stations and distributing stations due to growth of load as follows:

Stratford high-tension station	Three single-phase, 2,500- kv-a. installed in place of three single-phase, 1,250-kv-a. transformers	Aug. 19, 1928
Riverside distributing station	One three-phase, 1,500-kv-a. transformer installed increasing capacity to 3,000-kv-a	Nov. 21, 1927
York Mills distributing station	Three single-phase, 300-kv-a. transformer installed increasing capacity to 1,800-kv-a	Dec. 3, 1927
Hagersville distributing station	Three single-phase, 250-kv-a. transformers installed increasing capacity to 1,200-kv-a	Nov. 13, 1927
Amherstburg distributing station	Three single-phase, 250-kv-a. transformers installed increasing capacity to 1,050-kv-a	Mar. 25, 1928
Tilbury distributing station	Three single-phase, 75-kv-a. transformers installed increasing capacity to 750-kv-a	May 4, 1928
Fletcher distributing station	One three-phase, 300-kv-a. transformer installed in place of one three-phase, 150-kv-a. transformer	Dec. 18, 1927
Harrow distributing station	One three-phase, 300-kv-a. transformer installed in place of one three-phase, 150-kv-a. transformer	June 15, 1928
St. Thomas rural power district station	One three-phase, 300-kv-a. transformer installed in place of one three-phase, 150-kv-a. transformer	Mar. 14, 1928
Waterdown distributing station	Three single-phase, 250-kv-a. transformers installed in place of one three-phase, 300-kv-a. transformer	Mar. 31, 1928
Blenheim distributing station	Three single-phase, 250-kv-a. transformers installed in place of three 150-kv-a. transformers	Aug. 26, 1928
Forrest distributing station	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 75-kv-a. transformers	Nov. 13, 1927
Embro distributing station	Three single-phase, 75-kv-a. transformers installed in place of one three-phase, 50-kv-a. transformer	Mar. 11, 1928
Tavistock distributing station	Three single-phase, 50-kv-a. transformers installed in place of three single-phase, 15-kv-a. transformers	Aug. 15, 1928

New transformer stations have been placed in service with transforming equipment as follows:—

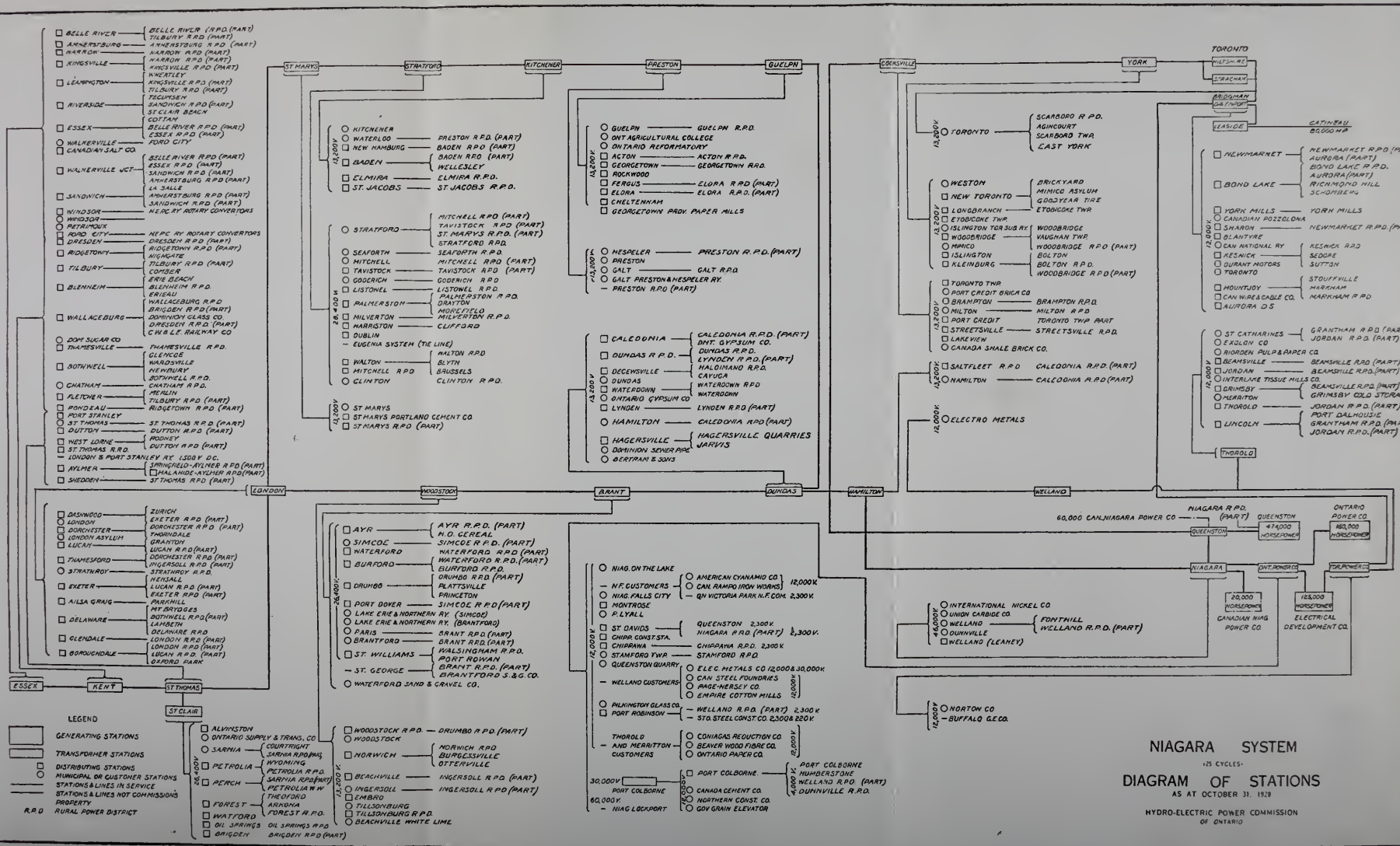
Aurora distributing station	Three single-phase, 250-kv-a. transformers	June 24, 1928
St. Marys rural power district station	Three single-phase, 150-kv-a. transformers	Sept. 22, 1928
Rondeau distributing station	Three single-phase, 75-kv-a. transformers	June 17, 1928
Shedden distributing station	One three-phase, 150-kv-a. transformer	Nov. 17, 1927
Provincial Paper Company	Three 150-kv-a. transformers	July 25, 1928
Waterford Sand & Gravel Company	Power supplied	Mar. 27, 1928

The following transformer stations were discontinued during the year.

Norfolk distributing station	Now being fed from Simcoe Municipal station	Dec. 10, 1927
Leaside Russel Construction Company	Disconnected	June 29, 1928

At Erindale generating station, which has not been in operation for several years, the electrical equipment was removed August 14, 1928, and sold.

The 220,000-volt transmission line from the Ottawa river to Leaside, the stepdown transformer station at Leaside, and 110,000-volt line from Leaside to Bridgman station, Toronto, were put in service on October 1, and operation has been satisfactory.


BELLE RIVER
BELLE RIVER R.P.D.(PART)
TILBURY R.P.D.(PART)
AMHERSTBURG
AMHERSTBURG R.P.D. (PART)
NARROW
NARROW R.P.D. (PART)
KINGSVILLE
NARROW R.P.D. (PART)
KINGSVILLE R.P.D. (PART)
LEAMINGTON
WHEATLEY
KINGSVILLE R.P.D. (PART)
TILBURY R.P.D. (PART)
RIVERSIDE
TECUMSEH
SANDWICH R.P.D. (PART)
ST. CLAIR BEACH
ESSEX
COTTAM
BELLE RIVER R.P.D. (PART)
ESSEX R.P.D. (PART)
WALKERVILLE
FORD CITY
CANADIAN SALT CO.
WALKERVILLE JCT.
BELLE RIVER R.P.D. (PART)
ESSEX R.P.D. (PART)
SANDWICH R.P.D. (PART)
AMHERSTBURG R.P.D. (PART)
SANDWICH
LA SALLE
AMHERSTBURG R.P.D. (PART)
SANDWICH R.P.D. (PART)
WINDSOR
N.E.R.C. RY. ROTARY CONVERTORS
WINDSOR
PETRIMOUX
FORD CITY
N.E.R.C. RY ROTARY CONVERTORS
DRESDEN
DRESDEN R.P.D. (PART)
RIDGETOWN
RIDGETOWN R.P.D. (PART)
NIGHGATE
TILBURY
TILBURY R.P.D. (PART)
COMBER
BLENHEIM
ERIE BEACH
BLENHEIM R.P.D.
ERIEAU
WALLACEBURG
WALLACEBURG R.P.D.
BRIGDEN R.P.D. (PART)
DOMINION GLASS CO.
DRESDEN R.P.D. (PART)
C.W.& L.E. RAILWAY CO
DOM SUGAR CO
THAMESVILLE
THAMESVILLE R.P.D.
BOTHWELL
GLENCOE
WARDSVILLE
NEWBURY
BOTHWELL R.P.D.
CHATHAM
CHATHAM R.P.D.
FLETCHER
MERLIN
TILBURY R.P.D. (PART)
PONDEAU
RIDGETOWN R.P.D. (PART)
PORT STANLEY
ST. THOMAS R.P.D. (PART)
DUTTON
DUTTON R.P.D. (PART)
WEST LORNE
RODNEY
DUTTON R.P.D. (PART)
ST. THOMAS R.R.D.
LONDON & PORT STANLEY RY. 1500 V. D.C.
AYLMER
SPRINGFIELD-AYLMER R.P.D.(PART)
MALAHIDE-AYLMER R.P.D.(PART)
SHEDDEN
ST. THOMAS R.P.D. (PART)
ST. MARYS
STRATFORD
KITCHENER
PRESTON
GUELPH
LONDON
WOODSTOCK
BRANT
DUNDAS
HAMILTON
WELLAND
COOKSVILLE
YORK
TORONTO
DASHWOOD
ZURICH
LONDON
EXETER R.P.D. (PART)
DORCHESTER
DORCHESTER R.P.D. (PART)
LONDON ASYLUM
THORNDALE
GRANTON
LUCAN
LUCAN R.P.D.(PART)
THAMESFORD
DORCHESTER R.P.D.(PART)
INGERSOLL R.P.D. (PART)
STRATHROY
STRATHROY R.P.D.
EXETER
NEILSALL
LUCAN R.P.D.(PART)
EXETER R.P.D. (PART)
AILSA CRAIG
PARKHILL
MT. BRYDGES
DELAWARE
DOTHWELL R.P.D.(PART)
LAMBETH
DELAWARE R.P.D.
GLENDALE
LONDON R.P.D. (PART)
LONDON R.P.D. (PART)
BOROUGHDALE
LUCAN R.P.D. (PART)
OXFORD PARK
ESSEX
KENT
ST. THOMAS
ST. CLAIR
LEGEND
GENERATING STATIONS
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
MUNICIPAL OR CUSTOMER STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSIONED
PROPERTY
R.P.D. RURAL POWER DISTRICT
ALVINSTON
ONTARIO SUPPLY & TRANS. CO
SARNIA
COURTRIGHT
SARNIA R.P.D.(PART)
WYOMING
PETROLIA
PETROLIA R.P.D.
SARNIA R.P.D.(PART)
PETROLIA M.W.
PERCH
THEDFORD
ARKONA
FOREST
FOREST R.P.D.
WATFORD
OIL SPRINGS
OIL SPRINGS R.P.D.
BRIGDEN
BRIGDEN R.P.D.(PART)
WOODSTOCK R.P.D.
DRUMBO R.P.D.(PART)
WOODSTOCK
NORWICH
NORWICH R.P.D.
BURGESSVILLE
OTTERVILLE
BEACHVILLE
INGERSOLL R.P.D. (PART)
INGERSOLL
INGERSOLL R.P.D.(PART)
EMBRO
TILLSONBURG
TILLSONBURG R.P.D.
BEACHVILLE WHITE LIME
KITCHENER
WATERLOO
PRESTON R.P.D. (PART)
NEW HAMBURG
BADEN R.P.D. (PART)
BADEN
BADEN R.P.D. (PART)
WELLESLEY
ELMIRA
ELMIRA R.P.D.
ST. JACOBS
ST. JACOBS R.P.D.
STRATFORD
MITCHELL R.P.D. (PART)
TAVISTOCK R.P.D. (PART)
ST. MARYS R.P.D. (PART)
STRATFORD R.P.D.
SEAFORTH
SEAFORTH R.P.D.
MITCHELL
MITCHELL R.P.D. (PART)
TAVISTOCK
TAVISTOCK R.P.D. (PART)
GODERICH
GODERICH R.P.D.
LISTOWEL
LISTOWEL R.P.D.
PALMERSTON
PALMERSTON R.P.D.
DRAYTON
MORELFIELD
MILVERTON
MILVERTON R.P.D.
HARRISTON
CLIFFORD
DUBLIN
EUGENIA SYSTEM (TIE LINE)
WALTON
WALTON R.P.D.
BLYTH
MITCHELL R.P.D.
BRUSSELS
CLINTON
CLINTON R.P.D.
ST. MARYS
ST. MARYS PORTLAND CEMENT CO.
ST. MARYS R.P.D. (PART)
GUELPH
GUELPH R.P.D.
ONT. AGRICULTURAL COLLEGE
ONTARIO REFORMATORY
ACTON
ACTON R.P.D.
GEORGETOWN
GEORGETOWN R.P.D.
ROCKWOOD
FERGUS
ELORA R.P.D.(PART)
ELORA
ELORA R.P.D.(PART)
CHELTENHAM
GEORGETOWN PROV. PAPER MILLS
HESPELER
PRESTON R.P.D.(PART)
PRESTON
GALT
GALT R.P.D.
GALT PRESTON & HESPELER RY.
PRESTON R.P.D. (PART)
CALEDONIA
CALEDONIA R.P.D. (PART)
DNT. GYPSUM CO.
DUNDAS
DUNDAS R.P.D.
DUNDAS R.P.D. (PART)
LYNDEN R.P.D.(PART)
DECEWSVILLE
CAYUGA
DUNDAS
WATERDOWN
WATERDOWN R.P.D
ONTARIO GYPSUM CO
LYNDEN
LYNDEN R.P.D (PART)
HAMILTON
CALEDONIA R.P.D (PART)
HAGERSVILLE
HAGERSVILLE QUARRIES
DOMINION SEWER PIPE
JARVIS
BERTRAM & SONS
TORONTO
SCARBORO R.P.D.
AGINCOURT
SCARBORO TWP.
EAST YORK
WESTON
BRICKYARD
NEW TORONTO
MIMICO ASYLUM
GOODYEAR TIRE
LONGBRANCH
ETOBICOKE TWP.
ISLINGTON TOR.SUB.RY.
WOODBRIDGE
WOODBRIDGE
VAUGHAN TWP.
MIMICO
WOODBRIDGE R.P.D. (PART)
ISLINGTON
BOLTON
KLEINBURG
BOLTON R.P.D.
WOODBRIDGE R.P.D (PART)
TORONTO TWP.
PORT CREDIT BRICK CO.
BRAMPTON
BRAMPTON R.P.D.
MILTON
MILTON R.P.D
PORT CREDIT
TORONTO TWP PART
STREETSVILLE
STREETSVILLE R.P.D.
LAKEVIEW
CANADA SHALE BRICK CO.
SALTFLEET R.P.D
CALEDONIA R.P.D. (PART)
NAMILTON
CALEDONIA R.P.D (PART)
ELECTRO METALS
NIAG. ON THE LAKE
AMERICAN CYANAMID CO.
N.F. CUSTOMERS
CAN. RAMPO IRON WORKS
12,000 K
NIAG. FALLS CITY
ON VICTORIA PARK N.F. COM.
2,300 K
MONTROSE
P. LYALL
ST. DAVIDS
QUEENSTON 2,300 K
NIAGARA R.P.D. (PART)
2,300 V.
CHIPP. CONST. STA.
CHIPPAWA
CHIPPAWA R.P.D. 2,300 K
STAMFORD TWP.
STAMFORD R.P.D.
QUEENSTON QUARRY
ELEC. METALS CO 12,000 & 30,000 K
WELLAND CUSTOMERS
CAN. STEEL FOUNDRIES
PAGE-HERSEY CO.
EMPIRE COTTON MILLS
12,000 K
PILKINGTON GLASS CO.
WELLAND R.P.D. (PART) 2,300 V
PORT ROBINSON
STO. STEEL CONST. CO. 2,300 & 220 V
THOROLD AND MERRITTON CUSTOMERS
CONIAGAS REDUCTION CO
BEAVER WOOD FIBRE CO.
ONTARIO PAPER CO.
13,000 V
PORT COLBORNE
CANADA CEMENT CO.
NORTHERN CONST. CO.
GOV. GRAIN ELEVATOR
12,000 V
30,000 V
60,000 V.
NIAG. LOCKPORT
PORT COLBORNE
NUMBERSTONE
WELLAND R.P.D. (PART)
DUNNVILLE R.P.D.
4,000 V
INTERNATIONAL NICKEL CO.
UNION CARBIDE CO.
WELLAND
DUNNVILLE
WELLAND (LEANEY)
FONTHILL
WELLAND R.P.D. (PART)
46,000 V
NORTON CO
BUFFALO G.E.CO.
12,000 V
60,000 CAN. NIAGARA POWER CO
NIAGARA R.P.D. (PART)
QUEENSTON
474,000 HORSEPOWER
ONTARIO POWER CO.
160,000 HORSEPOWER
NIAGARA
ONT. POWER CO.
TOR. POWER CO.
20,000 HORSEPOWER
CANADIAN NIAG. POWER CO.
125,000 HORSEPOWER
ELECTRICAL DEVELOPMENT CO.
LEASIDE
CATHEDRAL
BEACHAM
NEWMARKET
NEWMARKET R.P.D. (PART)
AURORA (PART)
BOND LAKE
BOND LAKE R.P.D.
AURORA (PART)
RICHMOND HILL
SCHOMBERG
YORK MILLS
YORK MILLS
CANADIAN BITULITHIC
SHARON
NEWMARKET R.P.D. (PART)
MCLANTYRE
CAN. NATIONAL RY
KESWICK R.P.D.
KESWICK
SEDGRE
DURANT MOTORS
SUTTON
TORONTO
MOUNTJOY
STOUFFVILLE
MARKHAM
CAN. WIRE & CABLE CO.
MARKHAM R.P.D.
AURORA D.S.
ST. CATHARINES
GRANTHAM R.P.D. (PART)
EXILON CO
JORDAN R.P.D. (PART)
RIORDEN PULP & PAPER CO.
BEAMSVILLE
BEAMSVILLE R.P.D. (PART)
JORDAN
BEAMSVILLE R.P.D. (PART)
INTERLAKE TISSUE MILLS CO.
GRIMSBY
BEAMSVILLE R.P.D. (PART)
GRIMSBY COLD STORAGE
MERRITTON
THOROLD
JORDAN R.P.D. (PART)
PORT DALHOUSIE
LINCOLN
GRANTHAM R.P.D. (PART)
JORDAN R.P.D. (PART)
THOROLD
NIAGARA SYSTEM
25 CYCLES
DIAGRAM OF STATIONS
AS AT OCTOBER 31. 1920
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Acton	492.0	490.0	571.7	.....	81.7
Agincourt	80.4	102.5	112.8	.....	10.3
Ailsa Craig	85.8	78.2	100.8	.....	22.6
Alvinston	103.2	91.1	77.0	14.1	.....
Amherstburg	405.6	465.0	513.4	.....	48.4
Ancaster township	272.1	277.0	356.5	.....	79.5
Arkona	.....	52.9	60.0	.....	7.1
Aurora	577.7	651.0	785.0	.....	134.0
Aylmer	363.2	411.0	468.0	.....	57.0
Ayr	100.5	124.0	128.9	.....	4.9
Baden	288.2	297.6	313.6	.....	16.0
Barton township	540.2	526.8	652.4	.....	125.6
Beachville	450.9	201.0	214.5	.....	13.5
Belle River	100.5	121.3	70.3	51.0	.....
Blenheim	285.3	351.0	332.4	18.6	.....
Blyth	58.9	55.3	77.7	.....	22.4
Bolton	94.5	111.2	101.5	9.7	.....
Bothwell	164.5	185.6	109.9	75.7	.....
Brampton	1,598.1	1,654.5	1,935.8	.....	281.3
Brantford	9,085.1	8,838.8	9,781.5	.....	942.7
Brantford township	320.6	345.5	390.1	.....	44.6
Brigden	27.6	53.6	118.7	.....	65.1
Brussels	101.9	112.6	124.3	.....	11.7
Burford	96.1	116.6	136.8	.....	20.2
Burgessville	42.6	45.8	60.7	.....	14.9
Caledonia	238.4	260.7	281.5	.....	20.8
Campbellville	16.3	20.1	21.4	.....	1.3
Cayuga	112.6	57.6	72.4	.....	14.8
Chatham	3,841.3	4,163.2	4,382.1	.....	218.9
Chippawa Village	293.6	266.7	211.8	54.9	.....
Clifford	40.2	39.9	52.5	.....	12.6
Clinton	331.1	354.0	443.9	.....	89.9
Comber	176.9	180.2	152.8	27.4	.....
Courtright	36.8	33.5	36.2	.....	2.7
Cottam	.....	43.5	49.6	.....	6.1
Dashwood	65.0	71.6	76.1	.....	4.5
Delaware	20.3	24.4	32.1	.....	7.7
Dorchester	77.2	70.4	70.4	.....	.....
Drayton	80.4	83.1	82.0	1.1	.....
Dresden	262.0	291.0	251.8	39.2	.....
Drumbo	42.9	54.4	70.4	.....	16.0
Dublin	42.9	56.5	77.6	.....	21.1
Dundas	1,256.0	1,329.7	1,454.4	.....	124.7
Dunnville	500.0	577.8	603.2	.....	25.4
Dutton	185.0	178.3	209.1	.....	30.8
Elmira	843.9	901.7	1,016.1	.....	114.4
Elora	226.5	386.0	396.8	.....	10.8
Embro	74.1	67.0	74.8	.....	7.8
Erieau	37.5	42.9	50.2	.....	7.3
Erie Beach	5.0	10.7	10.0	0.7	.....
Etobicoke township	1,866.5	2,045.5	2,494.1	.....	448.6
Exeter	366.5	384.7	416.2	.....	31.5
Essex	233.2	311.0	312.3	.....	1.3
Fergus	408.8	519.0	573.8	.....	54.8
Ford City	2,690.4	3,029.5	3,989.2	.....	959.7

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928—Continued

Municipality	Peak load in horsepower			Change in load, 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Forest	200.2	230.4	263.4	.....	33.0
Fonthill	76.4	88.5	104.5	.....	16.0
Galt	5,730.8	6,498.4	6,748.7	.....	250.3
Georgetown	617.8	719.2	755.4	.....	36.2
Glencoe	125.4	135.7	163.8	.....	28.1
Goderich	942.3	935.8	1,035.2	.....	99.4
Granton	66.5	73.4	86.0	.....	12.6
Guelph	6,208.5	6,925.0	7,630.1	.....	705.1
Hagersville	811.0	1,039.0	1,278 8	.....	239.8
Hamilton	31,672.4	35,459.5	51,943.6	.....	16,484.1
Harriston	221.2	244.0	270.2	.....	26.2
Harrow	128.7	164.9	205.3	.....	40.4
Hensall	99.2	116.6	90.6	26.0	.....
Hespeler	911.5	970.5	1,071.8	.....	101.3
Highgate	119.3	108.5	119.3	.....	10.8
Humberstone	225.2	370.0	305.6	64.4	.....
Ingersoll	1,961.1	1,983.0	2,173.2	.....	190.2
Jarvis	137.7	141.5	150.1	.....	8.6
Kingsville	317.1	344.2	388.7	.....	44.5
Kitchener	11,969.5	13,340.0	14,457.0	.....	1,117.0
Lambeth	74.0	90.0	107.7	.....	17.7
Leamington	538.8	793.5	871.3	.....	77.8
Listowel	620.6	618.6	727.9	.....	109.3
London	22,317.0	23,539.0	25,884.4	.....	2,345.4
London township V.A	162.8	174.0	175.0	.....	1.0
Lucan	170.2	172.4	155.9	16.5	.....
Lynden	135.4	123.3	70.7	52.6	.....
LaSalle	101.1	156.8	230.5	.....	73.7
Louth township	25.0	16.0	.....	.....	.....
Markham	116.6	127.7	146.4	.....	18.7
Merlin	96.5	136.0	130.1	6.0	.....
Merritton	734.6	807.0	1,075.1	.....	268.1
Milton	1,021.7	960.6	1,092.3	.....	131.7
Milverton	501.3	537.5	585.8	.....	48.3
Mimico	1,561.7	1,680.0	1,857.9	.....	177.9
Mimico Asylum	37.5	65.0	65.0	.....	.....
Mitchell	328.4	369.4	451.7	.....	82.3
Moorefield	49.6	49.2	56.0	.....	6.8
Mount Brydges	59.6	63.5	68.3	.....	4.8
Newbury	34.8	34.1	38.2	.....	4.1
New Hamburg	417.6	491.0	584.1	.....	93.1
Newmarket	675.6	737.0	697.0	40.0	.....
New Toronto	3,981.2	4,343.0	4,871.2	.....	528.2
Niagara Falls	7,821.2	8,013.4	8,910.2	.....	896.8
Niagara-on-the-Lake	370.6	437.0	494.6	.....	57.6
Norwich	236.6	306.3	322.5	.....	16.2
Oil Springs	243.9	268.1	263.8	4.3	.....
Ontario Agricultural College	269.4	295.0	312.3	.....	17.3
Ontario Central Reformatory	213.0	230.5	263.4	.....	32.9
Otterville	90.5	72.3	72.4	.....	0.1

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928—Continued

Municipality	Peak load in horsepower			Change in load, 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Palmerston	374.0	420.9	496.6	.....	75.7
Paris	1,224.5	1,216.0	1,284.2	.....	68.2
Parkhill	116.6	130.0	138.0	.....	8.0
Petrolia	790.6	694.1	670.6	23.5	.....
Plattsville	49.6	37.5	45.9	.....	8.4
Point Edward	565.7	233.7	238.6	.....	4.9
Port Colborne	1,174.3	1,199.8	1,282.8	.....	83.0
Port Credit	359.2	401.0	475.9	.....	74.9
Port Dalhousie	265.4	284.2	327.7	.....	43.5
Port Dover	214.5	236.0	251.3	.....	15.3
Port Rowan	.....	52.2	54.3	.....	2.1
Port Stanley	160.8	171.6	154.1	17.5	.....
Preston	2,788.2	3,013.0	3,224.9	.....	211.9
Princeton	35.8	35.5	36.2	.....	0.7
Queenston	87.1	80.4	85.8	.....	5.4
Richmond Hill	183.0	195.7	201.4	.....	5.7
Ridgetown	340.5	363.0	430.3	.....	67.3
Riverside	911.5	1,181.0	1,126.0	55.0	.....
Rockwood	67.0	65.0	92.5	.....	27.5
Rodney	94.2	121.7	119.5	2.2	.....
St. Catharines	7,335.0	7,718.4	8,034.4	.....	316.0
St. Clair Beach	72.4	62.3	71.7	.....	9.4
St. George	87.8	112.6	154.4	.....	41.8
St. Jacobs	145.6	159.0	189.2	.....	30.2
St. Marys	1,169.6	1,383.0	1,349.8	33.2	.....
St. Thomas	4,609.2	4,903.6	5,051.2	.....	147.6
Sarnia	5,148.8	5,328.6	5,997.5	.....	668.9
Sandwich	2,951.2	3,308.3	3,746.7	.....	438.4
Scarboro township	1,585.0	1,958.6	2,320.3	.....	361.7
Seaforth	454.4	454.0	572.0	.....	118.0
Simcoe	791.6	883.0	1,017.7	.....	134.7
Springfield	102.5	72.4	124.6	.....	52.2
Stamford township	1,134.0	1,201.7	1,429.1	.....	227.4
Stouffville	96.9	100.5	115.2	.....	14.7
Stratford	6,454.3	6,809.6	7,124.8	.....	315.2
Strathroy	733.2	760.6	781.7	.....	21.1
Sutton	85.8	96.5	103.2	.....	6.7
Tavistock	391.4	409.1	442.3	.....	33.2
Tecumseh	238.6	259.8	319.1	.....	59.3
Thamesford	128.7	115.3	137.4	.....	22.1
Thamesville	145.6	162.7	186.3	.....	23.6
Thedford	58.4	52.3	54.9	.....	2.6
Thorndale	51.4	42.5	61.0	.....	18.5
Thorold	885.4	1,255.4	801.3	454.1	.....
Tilbury	352.5	421.0	528.1	.....	107.1
Tillsonburg	690.3	741.0	738.6	2.4	.....
Toronto	195,759.0	216,588.0	241,366.0	.....	24,778.0
Toronto township	911.4	1,057.6	1,198.6	.....	141.0
Walkerville	4,616.5	4,839.0	6,353.9	.....	1,514.9
Wallaceburg	1,701.1	3,185.0	3,269.4	.....	84.4
Wardsville	27.2	22.5	32.1	.....	9.6
Waterdown	157.2	186.0	195.8	.....	9.8
Waterford	319.0	315.8	396.8	.....	81.0
Waterloo	2,681.0	2,681.0	2,948.4	.....	267.4
Watford	148.1	166.0	201.0	.....	35.0

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928—Continued

Municipality	Peak load in horsepower			Change in load, 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Welland	2,943.7	3,265.4	3,433.0	.....	167.6
Wellesley	122.5	128.5	133.2	.....	4.7
West Lorne	332.4	328.0	324.1	3.9	.....
Weston	2,320.7	2,160.5	2,398.8	.....	238.3
Wheatley	88.4	104.5	117.1	.....	12.6
Windsor	22,986.1	23,970.2	27,616.9	.....	3,646.7
Woodbridge	136.9	222.0	217.1	4.9	.....
Woodstock	3,765.4	4,155.0	4,781.5	.....	626.5
Wyoming	53.0	48.2	58.7	.....	10.5
York, East, township	2,848.5	2,889.0	3,382.0	.....	493.0
York, North, township	603.3	930.2	1,240.5	.....	310.3
Zurich	95.8	69.0	87.9	.....	18.9

In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly established rural power district.

NIAGARA SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Bridgeport	Mar. 1, 1928	104.8	177.0	.....	72.2

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927-1928

Rural power district	Peak load in horsepower			Change in load 1927-28	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Amherstburg	405.6	370.4	404.5	.....	34.1
Aylmer	31.9	139.9	133.5	6.4	.....
Ayr	8.0	8.0	9.0	.....	1.0
Baden	53.7	115.7	148.7	.....	33.0
Beamsville	396.8	483.9	537.5	.....	53.6
Belle River	108.6	163.3	158.2	5.1	.....
Blenheim	21.0	52.5	82.7	.....	30.2
Brant	108.5	164.4	259.8	.....	95.4
Bond Lake	284.2	500.0	520.2	.....	20.2
Bothwell	5.4	13.5	109.5	.....	96.0
Brampton	10.5	10.5	64.2	.....	53.7
Brigden	.....	8.8	21.9	.....	13.1
Burford	.....	68.3	68.0	0.3	.....
Caledonia	11.4	23.3	102.1	.....	78.8
Chatham	106.4	115.8	254.8	.....	139.0
Chippawa	87.1	76.4	108.6	.....	32.2
Delaware	82.3	110.1	174.5	.....	64.4
Dorchester	163.7	259.2	248.1	11.1	.....
Drumbo	13.4	47.2	58.7	.....	11.5
Dundas	209.1	306.0	341.9	.....	35.9
Dutton	10.4	12.7	23.2	.....	10.5
Elora	174.2	24.9	40.1	.....	15.2
Elmira	22.1	16.3	21.4	.....	5.1
Essex	69.7	95.8	140.9	.....	45.1
Exeter	71.5	153.1	144.1	9.0	.....

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927-1928—Continued

Rural power district	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Forest	.....	2.7	2.9	.....	.2
Galt	65.0	78.2	105.7	.....	27.5
Georgetown	9.5	35.5	39.5	.....	4.0
Goderich	33.5	45.2	35.8	9.4	.....
Grantham	294.2	354.8	417.8	.....	63.0
Guelph	57.9	45.5	58.8	.....	13.3
Haldimand	10.0	10.5	22.0	.....	11.5
Harrow	33.5	172.2	165.3	6.9	.....
Ingersoll	4.0	6.0	117.0	.....	111.0
Jordan	24.7	24.1	44.1	.....	20.0
Keswick	109.6	187.6	116.0	71.6	.....
Kingsville	233.0	390.8	355.6	35.2	.....
Listowel	.....	43.5	50.6	.....	7.1
London	619.2	765.8	1,014.7	.....	248.9
Lucan	22.8	32.2	41.1	.....	8.9
Lynden	48.2	76.8	117.2	.....	40.4
Markham	71.0	114.9	181.9	.....	67.0
Milton	7.0	41.5	73.3	.....	31.8
Milverton	.....	25.7	29.7	.....	4.0
Mitchell	60.3	83.8	100.0	.....	16.2
Newmarket	111.6	151.3	182.7	.....	31.4
Niagara	403.7	519.6	609.7	.....	90.1
Norwich	187.6	158.0	183.8	.....	25.8
Oil Springs	28.1	37.5	41.8	.....	4.3
Palmerston	.....	1.0	3.0	.....	2.0
Petrolia	1.6	1.6	5.3	.....	3.7
Preston	322.7	442.6	508.5	.....	65.9
Ridgetown	97.8	109.9	239.3	.....	129.4
Saltfleet	291.5	442.0	545.9	.....	103.9
Sandwich	561.6	725.6	850.9	.....	125.3
Sarnia	226.5	315.0	328.1	.....	13.1
Scarboro township	15.0	66.2	81.6	.....	15.4
Stratford	96.5	147.4	155.8	.....	8.4
St. Jacobs	108.2	192.0	163.3	28.7	.....
St. Thomas	219.1	266.8	430.2	.....	163.4
Simcoe	50.7	85.4	106.3	.....	20.9
Stamford	67.0	95.8	105.2	.....	9.4
Strathroy	.....	16.4	23.9	.....	7.5
Streetsville	2.5	70.1	119.6	.....	49.5
Tavistock	34.3	44.9	82.9	.....	38.0
Tilbury	14.0	21.2	103.2	.....	82.0
Tillsonburg	145.0	186.3	225.2	.....	38.9
Wallaceburg	102.9	105.9	128.7	.....	22.8
Walsingham	.....	63.5	35.2	28.3	.....
Walton	11.4	24.2	41.6	.....	17.4
Waterford	21.4	69.7	61.0	8.7	.....
Waterdown	180.6	197.3	241.0	.....	43.7
Welland	606.0	717.2	970.0	.....	252.8
Woodbridge	177.5	278.3	356.6	.....	78.3
Woodstock	229.2	331.0	395.3	.....	64.3

NIAGARA SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Acton	Feb. 1, 1928	1.0	2.0	.....	1.0
Clinton	July 1, 1928	45.5	37.9	7.6	.....
Dresden	May 14, 1928	0.2	0.2	.....	.....
Dunnville	July 11, 1928	3.2	12.8	.....	9.6
Seaforth	Dec. 1, 1928	53.6	62.0	.....	8.4
St. Marys	Dec. 12, 1928	13.0	96.4	.....	83.4
Thamesville	Nov. 15, 1927	26.8	59.4	.....	32.6

GEORGIAN BAY SYSTEM

The peak and average power loads on this system for 1928 have increased approximately fourteen per cent over the loads for the corresponding months of 1927. The peak demand for power in the early part of the year was practically equal to the available generating and supply capacities.

To assist in meeting the anticipated high peak demands for power in November and December of 1928, agreements were made with the Canadian Pacific Railway Company for the operation of its steam plant at Port McNicoll, and with the Owen Sound Public Utilities Commission for the operation of its steam plant at Owen Sound, to increase the possible generating capacity on the system.

Due to the amount of precipitation throughout the year, there has been more than ample water to meet the requirements of the various plants, although loads have been heavier than in previous years.

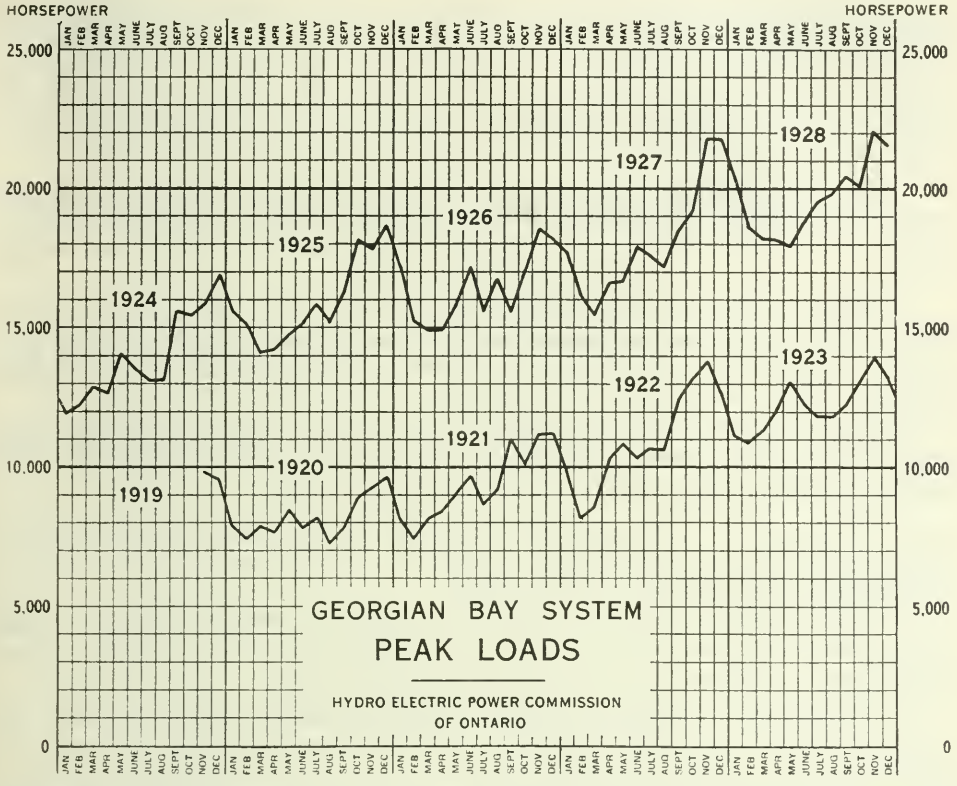
The Mount Forest frequency-changer set has been in operation for the greater part of the year to assist the system generating stations during heavy demand periods, and during periods of repairs and maintenance at some of the power plants. Also it has been of assistance in regulating the voltage on the west section of the Eugenia division.

The failure of one of the 3,000-kv-a. auto-transformers at Waubaushene in the early part of July limited to some extent, from July to October, the transfer of surplus power from the Muskoka division for use on the balance of the system.

Numerous and severe lightning and wind storms were experienced on various parts of the system during the year, doing considerable damage to line and station equipment, especially on the Eugenia and Wasdells divisions. Emergent or permanent adjustments were made with as little interruption to service as possible, and, where temporary and hasty repairs were necessary, permanent adjustments were made when conditions were more favourable.

Severe flood conditions on the rivers were experienced at a number of the plants, the worst in a long period of years. Some minor damage was experienced at several of the plants but the service on the system was well maintained.

The alterations and improvements carried out on a number of the roads in some of the counties, and on several of the newly located highways, have caused extensive alterations on various lines, necessitating the construction of detours and the relocation and rebuilding of portions of lines.



NOTE:—The Georgian Bay System includes the Severn, Eugenia, Wasdells and Muskoka divisions. In the diagram the load for the Muskoka division is not included until November, 1924. Details respecting this load for preceding years are given in earlier Annual Reports.

Severn Division

There was an average increase of ten per cent in the peak loads on this division over the corresponding months of 1927, while the increase in average loads over the corresponding months of 1927 was eighteen per cent.

Three new substations, fed from the 22,000-volt lines, were placed in service on this division during 1928. The Aberdeen Elevator station at Midland, of 600-kv-a. capacity, went into service in May. The Buckskin rural power district station of 25-kv-a. capacity, single-phase, and the Innisfil rural power district station of 100-kv-a. capacity, single-phase, both went into service in July.

The usual inspection and maintenance of turbines were carried out at Big Chute plant, and ventilators were installed on the power house roof to reduce the temperature inside this plant during the hot summer months.

It was necessary to change a great number of poles to conform with the road alterations made by the Provincial Highways department between Camp Borden tap and Coldwater tap, and on line section S71 X 51 it was necessary to adjust poles Nos. 413 to 433 to conform with new roadway established by the county of Simcoe.

Owing to the construction of a spur line by the Canadian Pacific Railway between the Canadian Pacific Railway tracks at Port McNicoll and the Canadian National Railway tracks near Tay Junction, it was necessary to change the position of a number of poles and two switching structures at Junction 571, and also to erect additional poles, and regrade lines to provide overhead clearances over the railway.

The usual program of maintenance work was carried out on the Severn Division lines, such as adjusting sags in conductors in a number of sections, testing and changing insulators, stubbing poles, straightening poles and pulling up guys.

Failures occurred in the armature windings of two of the older generators at the Big Chute plant, but in each case the trouble was confined to a few coils which were replaced and the generator returned to operation without affecting service.

The main buildings for housing the operating staff at Big Chute plant were painted to improve and maintain the buildings, and the two steel pipe lines and penstocks were painted to protect them against rust.

Excessive floods were experienced in the Severn river at the Big Chute plant, resulting in abnormally high tailwater, but with no resultant damage to equipment or interference with service.

A new gasoline-driven motor boat was placed in service between the Big Chute plant and the railway connection at Severn falls for transportation of supplies and employees to and from the Big Chute plant.

Certain alterations were made by the Commission in the bus-bar and switch arrangement at the Canadian Pacific Railway Elevator substation to provide for the operation of the steam plant, thus increasing the system generating capacity in accordance with the agreement with the Canadian Pacific Railway Company.

Eugenia Division

There was an average increase of fifteen per cent in both peak and average loads over the corresponding months of 1927.

The usual program of line maintenance was carried out on this division, including testing of insulators and replacement of those showing defects, stubbing of poles, pulling up guys, straightening poles, etc. Assistance was also given to several municipalities on line maintenance and new line construction.

Further repairs were carried out this year to the fences along the roadway on the eighth concession fill over the Eugenia storage basin in accordance with the agreement with the Artemesia township council.

The wood-stave portions of the pipe lines between the Eugenia storage basin and the power house were treated with preservative to arrest or prevent decay. The steel portions of the pipe lines below the surge tanks were painted or coated with a material for the prevention of rust and scale formation. The maintenance on the pipe lines was on the exterior only, as an interior examination showed that no treatment was required.

A careful inspection was made of the three turbines at Eugenia power house and the wearing rings and clearances adjusted in preparation for the anticipated heavy loads in the autumn of 1928.

The transformer capacity at Orangeville distributing station was increased in May, 1928, by the installation of three 150-kv-a. transformers which replaced the three 100-kv-a. transformers formerly at this station.

Initial service was arranged for a number of rural lines constructed at various points on the division.

A feeder voltage regulator was installed on the Paisley feeder at the Chesley station, to improve voltage regulation on the Paisley distribution system.

Wasdells Division

There has been an increase of fifteen per cent in both peak and average loads on the Wasdells division.

Excessive floods experienced in the spring of 1928 caused high tailwater at the Wasdells plant, with resultant reduction in plant capacity, but, through interconnection with the other divisions of the Georgian Bay system and with the plant of the town of Orillia, satisfactory service was maintained on the Wasdells division.

Severe storm conditions in the early winter caused line trouble in a few sections, but temporary repairs were made without delay and more permanent adjustments were made during the summer. A number of new storm guys were erected on several sections of the high-tension line where shown to be necessary by the storms experienced.

Alterations were made on the high-tension lines to accommodate road alterations on the provincial highway between Beaverton and Atherley.

No. 1 turbine at Wasdells power house was completely overhauled and certain parts rebuilt.

Extensive maintenance work was carried out on the concrete substructure of the Wasdells power house, also on the piers and sluiceway floors of the dam.

Owing to thunderstorms, accompanied by severe lightning, trouble was experienced with the high-tension fuses and the transformer equipment at Pinedale. It was necessary to replace two 3-phase transformers during the year, one in the late spring and one in the early autumn. Both were burnt out and had to be sent to the factory for repairs.

The high-tension lightning arresters on this division were given a complete overhauling.

An extension to the Sparrow Lake rural power district was made to serve a number of customers in the vicinity of the Wasdells power house.

The Superintendent's house at the Wasdells plant was painted to improve and maintain the building.

Muskoka Division

The peak and average loads on this division have increased ten per cent over 1927.

The operation of the South Falls and Hanna Chute plants has continued successfully at high load factors, a large portion of the output being transferred to the other divisions of the Georgian Bay system.

A quantity of material was added to the top and front of the earth and rock dam at Minden Bay on Hollow Lake to increase the factor of safety. This was part of the original scheme for the construction of this storage dam.

A rock-filled timber crib was built on the downstream side of the Hollow Lake dam, forming an additional support for the dam and an improvement for the passing of timber during log drives. A small shanty was erected at the south side of the dam to house the operator and ranger of the storage dams when necessary.

The dams on the lakes tributary to Hollow Lake, and the Hollow Lake dam, were operated as in former years to reduce spring floods, to store water for the dry season and to assist in the regulation of the South Muskoka river flow.

A number of alterations to 38,000-volt and 22,000-volt lines were necessary owing to alterations to roads in the Muskoka district.

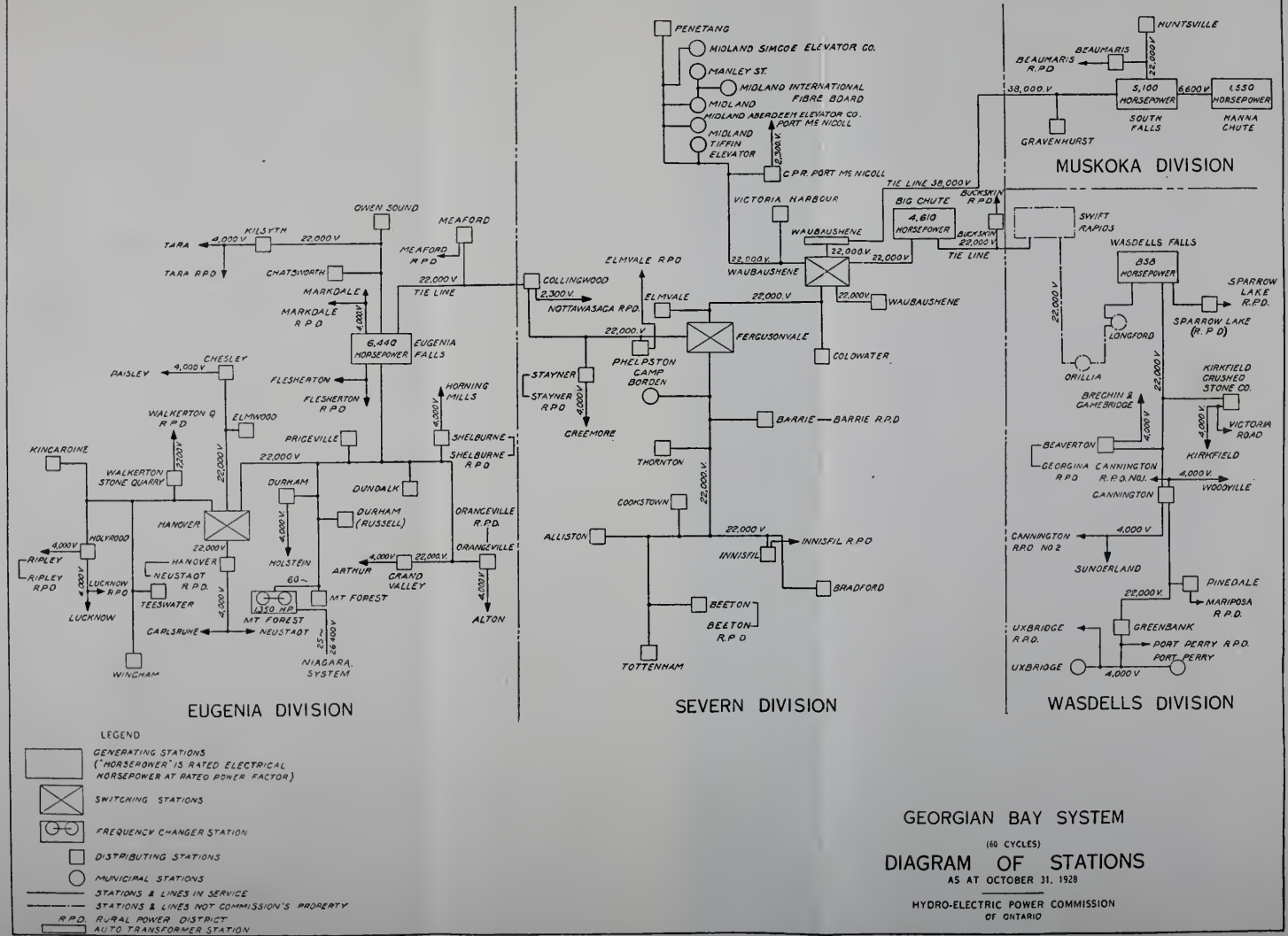
The usual routine maintenance was carried out both in the generating stations and on the transmission lines, with extensive tree cutting and underbrushing on section G 54 X 6. Feeder equipment was installed at South Falls power house and power supplied to the construction feeder for Trethewey Falls development.

Beaumaris rural power district distributing station was erected and placed in service, July, 1928. This station situated at the north-west limits of Bracebridge, has three 50-kv-a. transformers, and is supplied from the 22,000-volt line section M 1 X 2.

Excessive floods were experienced in the south branch of the Muskoka river in the spring of 1928, resulting in high tailwater at the South Falls plant where a small amount of damage was done but the service to the system was maintained.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
SEVERN DIVISION					
Alliston	158.6	175.6	189.0	.....	13.4
Barrie	1,612.1	1,739.9	1,878.5	.....	138.6
Beeton	111.2	113.9	124.1	.....	10.2
Bradford	138.0	215.8	134.0	81.8	.....
Camp Borden	191.7	181.0	279.0	.....	98.0
Coldwater	98.4	89.8	130.0	.....	40.2
Collingwood	1,179.0	1,174.5	1,190.0	.....	15.5
Cookstown	50.4	49.6	49.6	.....	.....
Creemore	95.8	92.5	94.3	.....	1.8
Elmvale	133.6	175.8	158.7	17.1	.....
Midland	3,572.4	4,928.1	4,190.3	737.8	.....
Penetang	553.3	556.3	521.4	34.9	.....
Port McNicoll	70.6	77.1	82.4	.....	5.3
Stayner	109.9	123.8	123.3	0.5	.....
Thornton	28.1	23.6	29.0	.....	5.4
Tottenham	50.1	54.4	59.5	.....	5.1
Victoria Harbour	67.7	74.4	69.7	4.7	.....
Waubaushene	36.2	39.5	39.4	0.1	.....



GEORGIAN BAY SYSTEM

(60 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31, 1928

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928—Continued

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
EUGENIA DIVISION					
Arthur	101.0	99.2	103.2	.....	4.0
Carlsruhe and Neustadt	66.3	64.9	99.2	.....	34.3
Chatsworth	37.5	42.9	52.9	.....	10.0
Chesley	351.2	382.0	395.4	.....	13.4
Dundalk	122.0	109.8	157.3	.....	47.5
Durham	542.0	540.9	565.7	.....	24.8
Elmwood	49.0	46.2	45.5	0.7	.....
Flesherton	65.1	67.9	76.6	.....	8.7
Grand Valley	80.4	76.4	107.2	.....	30.8
Hanover	765.4	831.0	914.2	.....	83.2
Holstein	10.0	11.0	17.7	.....	6.7
Hornings Mills	5.0	8.0	8.0	.....	.....
Kincardine	276.1	265.4	341.8	.....	76.4
Lucknow	117.3	141.3	158.2	.....	16.9
Markdale	107.6	121.5	140.2	.....	18.7
Meaford	269.4	351.0	333.8	17.2	.....
Mount Forest	268.9	268.9	286.8	.....	17.9
Orangeville	337.8	386.1	473.5	.....	87.4
Owen Sound	1,990.6	2,405.0	2,776.1	.....	371.1
Paisley	80.4	98.4	112.6	.....	14.2
Priceville	12.7	12.0	11.5	0.5	.....
Ripley	51.0	50.4	60.3	.....	9.9
Shelburne	238.9	218.4	300.1	.....	81.7
Tara	53.6	62.3	57.3	5.0	.....
Teeswater	136.2	154.0	142.0	12.0	.....
Wingham	281.5	321.7	319.0	2.7	.....
WASDELLS DIVISION					
Beaverton	175.3	165.7	197.0	.....	31.3
Brechin	54.1	52.3	52.2	0.1	.....
Cannington	125.4	123.3	137.5	.....	14.2
Kirkfield	21.0	22.1	22.0	0.1	.....
Port Perry	142.9	167.9	161.2	6.7	.....
Sunderland	49.6	54.3	61.0	.....	6.7
Uxbridge	140.7	155.5	189.0	.....	33.5
Victoria Rd	11.6	10.7	9.7	1.0	.....
Woodville	57.4	54.0	51.3	2.7	.....
MUSKOKA DIVISION					
Gravenhurst	398.6	422.0	538.8	.....	116.8
Huntsville	1,120.6	1,140.0	1,029.5	110.5	.....

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927-1928

Rural power district	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
SEVERN DIVISION					
Barrie	16.7	28.1	38.4	.....	10.3
Elmvale	8.5	14.7	15.0	.....	0.3
Nottawasaga	20.7	25.5	28.5	.....	3.0
Stayner	20.1	26.8	36.2	.....	9.4
EUGENIA DIVISION					
Flesherton	4.0	4.1	4.2	.....	0.1
Markdale	5.0	0.5	0.5	.....	.....
Orangeville	.....	17.4	30.0	.....	12.6
Shelburne	2.3	3.3	2.8	0.5	.....
Tara	0.75	0.75	15.0	.....	14.25
Walkerton	.....	1.5	1.5	.....	.....
WASDELLS DIVISION					
Cannington No. 1	17.0	13.0	17.0	.....	4.0
Cannington No. 2	21.4	23.4	14.7	8.7	.....
Georgina	22.5	34.0	33.5	0.5	.....
Mariposa	59.0	67.0	67.7	.....	.....
Port Perry	6.0	13.0	22.0	.....	9.0
Sparrow Lake	31.5	41.5	55.6	.....	14.1
Uxbridge	5.0	6.0	8.0	.....	2.0

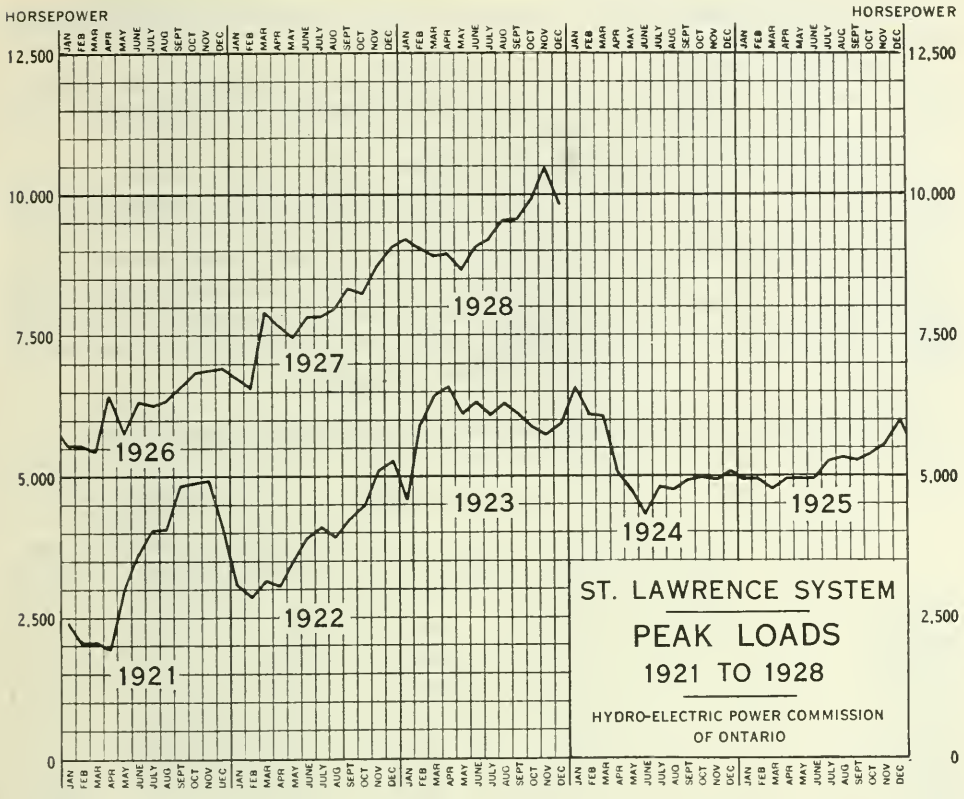
GEORGIAN BAY SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Beaumaris	July 1, 1928	63.0	41.5	21.5	.....
Buckskin	July 23, 1928	11.6	10.4	1.2	.....
Innisfil	July 1, 1928	57.6	29.5	28.1	.....

ST. LAWRENCE SYSTEM

The peak load on the St. Lawrence system has again shown a decided increase throughout the year. As mentioned in last year's Report, arrangements were made with the Cedars Rapids Transmission Company to increase the power contract by an additional 1,200 horsepower to meet the increasing load demand. The peak load each month, without exception, has exceeded the total contract allotment, the above company having continued to supply the increased demand. While certain of the municipalities have shown an increase over the previous year, the industrial customers served directly by the Commission are largely responsible for the load increase.

An interruption of prolonged duration was experienced during the month of January due to the failure of the power supply from the Cedars Rapids Transmission Company's lines. Other interruptions, but only of short duration, were also experienced during the month of July.



At Morrisburg station the 300-kv-a., 44,000/26,400-volt transformer was almost totally destroyed by fire, following a severe wind and sleet storm during the latter part of December, 1927. For some time trouble had been experienced with the 26,400-volt line extending from Morrisburg station to Winchester and Chesterville, owing to insulator and pin failures. Re-insulation of this line had been included in this year's line maintenance program, but in view of the loss of the 44,000/26,400-volt transformer it was considered expedient at this time to dispense with the Morrisburg station and reinsulate the line to operate at 44,000-volts. This change was accordingly made and the line is now connected direct to the main trunk line.

At Chesterville distributing station a second 300-kv-a. transformer was installed to take care of the increasing load demand in this district. This transformer was placed in service on June 17.

At the Howard Smith Paper Company's substation an additional 750-kv-a. transformer was installed temporarily in November, 1927. The load at this station has continued to increase and the transformer is still in service.

At Winchester distributing station, one of the 50-kv-a. single-phase indoor-type transformers failed in service. This bank of three 50-kv-a. units was replaced by one 300-kv-a. outdoor transformer, which was placed in service on May 24.

An improved type of lightning arrester was installed at both Chesterville and Winchester stations.

As a safety measure, chain link fences were constructed around each of the above station structures.

At Prescott distributing station the 300-kv-a. transformer was replaced with a 750-kv-a. transformer to take care of increasing load demand. This transformer was placed in service on July 1.

Extensive line maintenance work has been carried out on several sections of the 44,000-volt lines in replacing defective pin-type and suspension-type insulators. Considerable work was done in stubbing, charring and treating pole butts, tree trimming and replacing crossarms and pins where necessary.

Work has been very active all summer on the line extending from Cornwall to Alexandria. All defective suspension insulators were replaced, corner and angle poles straightened, and the line sags were adjusted where necessary. This work has made a decided improvement in this line.

ST. LAWRENCE SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

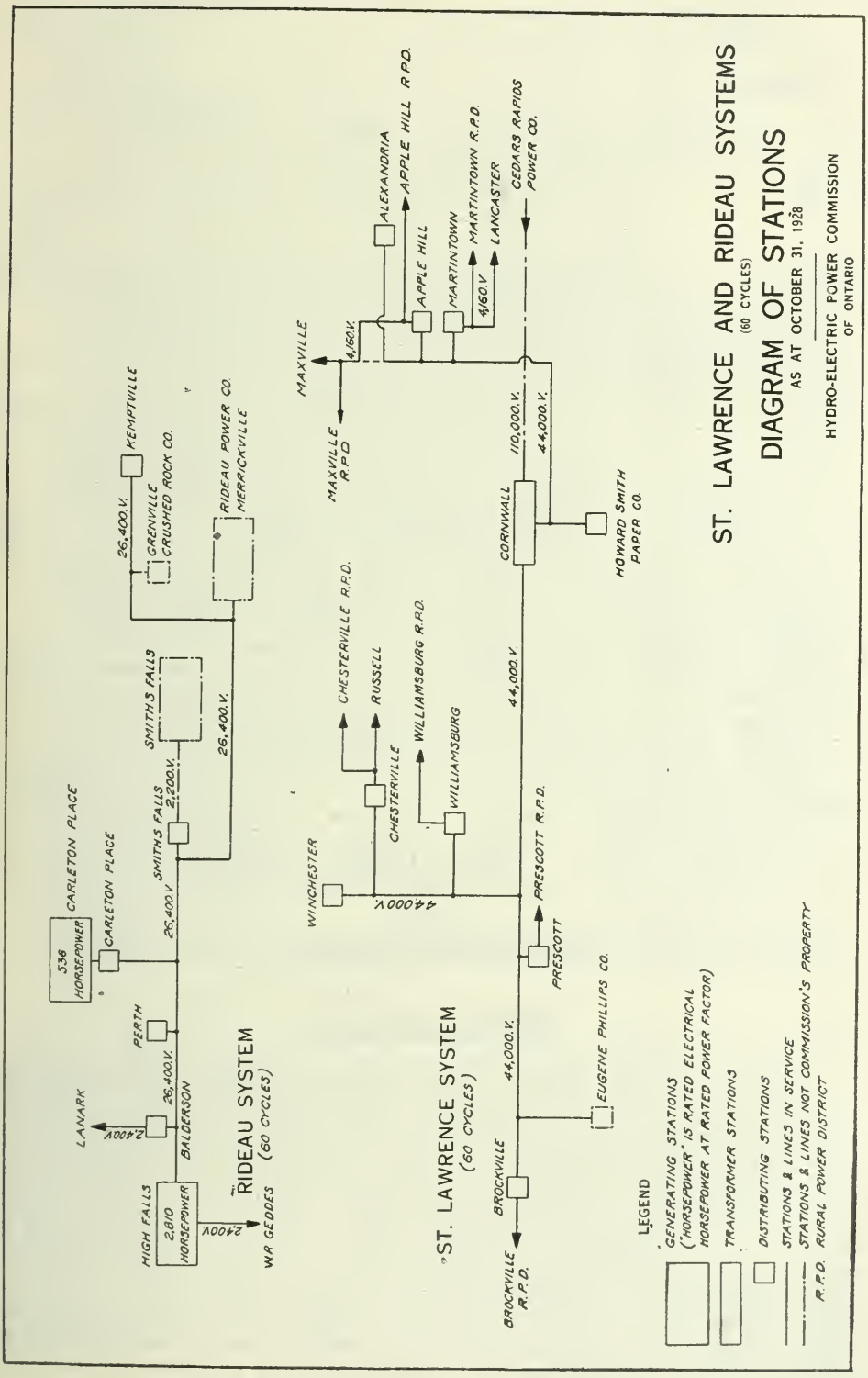
Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Alexandria	229.2	248.0	232.1	15.9	.....
Apple Hill	28.8	30.8	30.0	0.8	.....
Brockville	1,398.6	1,428.0	1,732.9	.....	304.9
Chesterville	241.3	268.6	248.0	20.6	.....
Lancaster	26.6	25.1	37.6	.....	12.5
Martintown	19.5	18.1	17.5	0.6	.....
Maxville	52.2	48.0	50.0	.....	2.0
Prescott	427.6	505.6	570.6	.....	65.0
Russell	67.0	38.9	61.5	.....	22.6
Williamsburg	27.0	31.5	37.4	.....	5.9
Winchester	145.5	172.9	182.3	.....	9.4

ST. LAWRENCE SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Finch	Jan. 31, 1928	17.2	30.5	.....	13.3

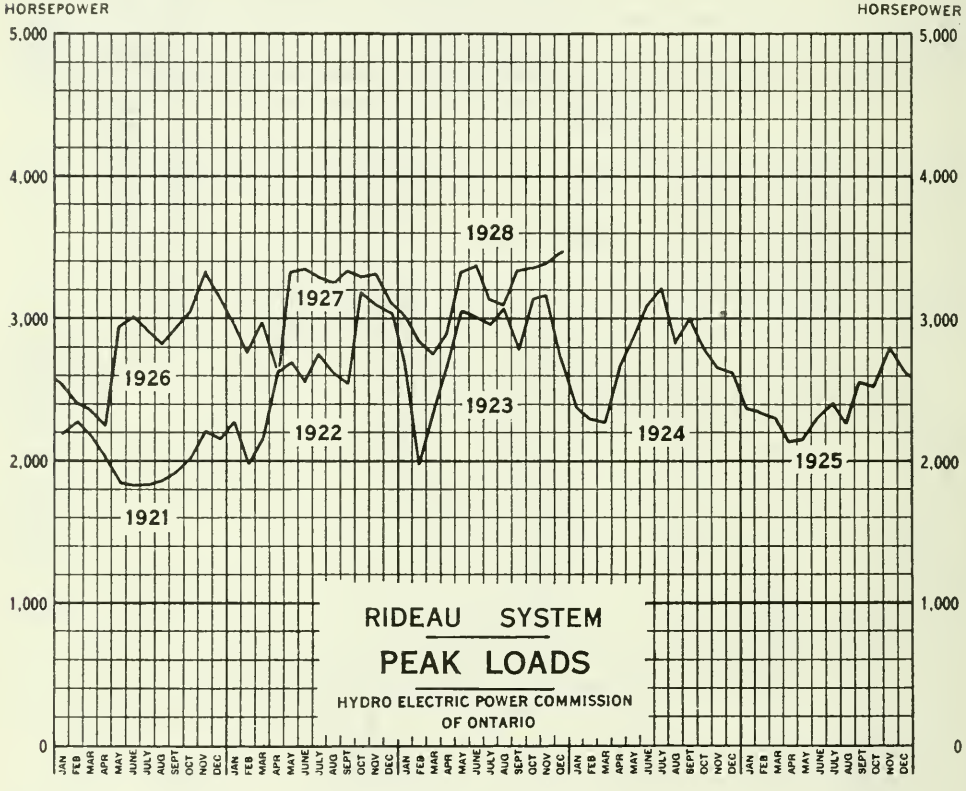
ST. LAWRENCE SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927-1928

Rural power district	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Apple Hill	.....	28.5	22.0	6.5	.....
Brockville	61.1	46.5	47.2	.....	0.7
Chesterville	25.7	31.5	51.3	.....	19.8
Martintown	26.2	30.5	28.2	2.3	.....
Prescott	54.9	46.9	56.7	.....	9.8


ST. LAWRENCE AND RIDEAU SYSTEMS
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1928
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
RIDEAU SYSTEM
(60 CYCLES)
WR GEDDES
HIGH FALLS
2,810 HORSEPOWER
24000V
LANARK
2400V
BALDERSON
PERTH
26,400 V.
CARLETON PLACE
536 HORSEPOWER
CARLETON PLACE
SMITHS FALLS
26,400 V.
SMITHS FALLS
2,200 V.
SMITHS FALLS
26,400 V.
GRENVILLE CRUSHED ROCK CO.
26,400 V.
KEMPTVILLE
RIDEAU POWER CO.
MERRICKVILLE
ST. LAWRENCE SYSTEM
(60 CYCLES)
BROCKVILLE
44,000 V.
BROCKVILLE R.P.D.
EUGENE PHILLIPS CO.
PRESCOTT
PRESCOTT R.P.D.
44,000 V.
WINCHESTER
44000V
CHESTERVILLE R.P.D.
CHESTERVILLE
RUSSELL
WILLIAMSBURG R.P.D.
WILLIAMSBURG
MAXVILLE
MAXVILLE R.P.D.
4,160 V.
CORNWALL
110,000 V.
44,000 V.
HOWARD SMITH PAPER CO.
ALEXANDRIA
APPLE HILL
APPLE HILL R.P.D.
MARTINTOWN
4160 V
MARTINTOWN R.P.D.
LANCASTER
CEDARS RAPIDS POWER CO.
LEGEND
GENERATING STATIONS
("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D. RURAL POWER DISTRICT

ST. LAWRENCE SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Maxville	Dec. 10, 1927	1.0	0.7	0.3	.....
Williamsburg	Nov. 1, 1927	0.7	2.0	.....	1.3

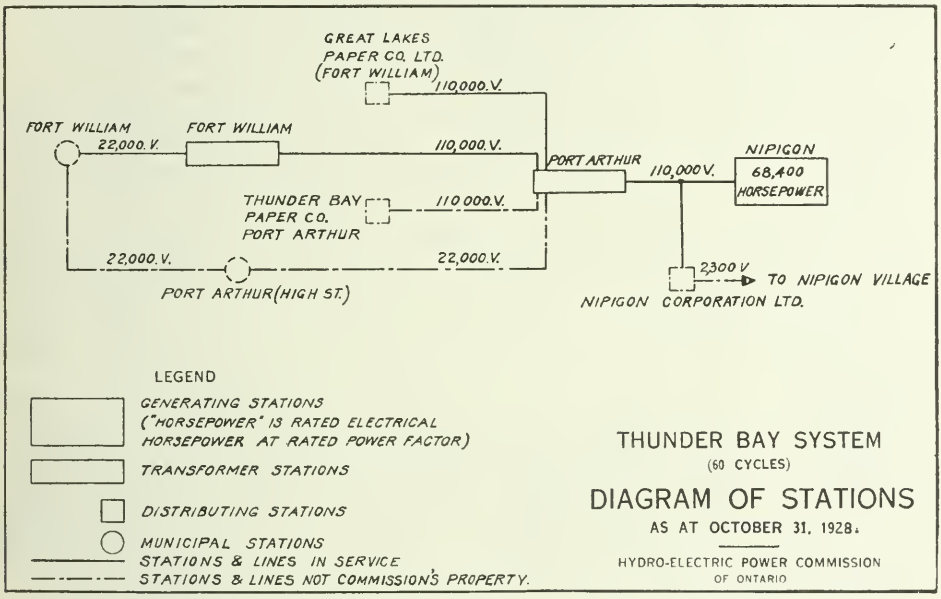


RIDEAU SYSTEM

Operating conditions generally on the Rideau system have been uniformly satisfactory throughout the fiscal year. Water conditions have been very favourable for power development in that there was always an abundant supply. During the latter part of the month of October the system generating capacity was somewhat curtailed owing to the destruction by fire of the Rideau Power Company's generating station at Merrickville. However, no inconvenience resulted as the Commission's generating station at Carleton Place was able to supply sufficient power during peak load periods to assist the High Falls plant and keep the system generating capacity above load requirements. The usual routine maintenance of lines and station equipment was carried out. No extensive repairs or alterations were found necessary. Due to field organization changes the system superintendent has been stationed at Smiths Falls.

RIDEAU SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Carleton Place	670.2	642.0	749.3	.....	107.3
Kemptville	173.0	183.3	174.9	8.4	.....
Lanark	39.1	43.9	49.8	.....	5.9
Perth	678.3	660.8	725.2	.....	64.4
Smiths Falls	1,013.4	1,067.8	1,292.2	.....	224.4



THUNDER BAY SYSTEM

The load on the Thunder Bay system has remained throughout the year at nearly the same level as during the preceding year. However, a new system peak and a high average daily load was established during September due to the extra power required to handle the grain, combined with the resumption of operations by the Great Lakes Paper Company. Notwithstanding that this large customer ceased pulp production in September, 1927, to carry out extensions to its mill, and only resumed operation on a limited scale in August, 1928, the system peak loads have shown practically no decrease. The shut down of the Thunder Bay Paper Company's mill at Port Arthur on the first of October reduces the system load below that established in September.

The original section of 110,000-volt wood-pole line between Reserve junction and Sprucewood junction (section P57 x 50), which was taken out of service on May 3, 1927, when a new steel-tower line on this section was placed in service, was returned to service on November 13, 1927. This gives two direct circuits

from the Cameron Falls generating station to Port Arthur transformer station. The re-arrangement of tap connections at Sprucewood junction and Reserve junction, and the installation of two 110,000-volt sectionalizing switches at Nipigon junction, completed February 5, 1928, now enables power to be supplied to the Nipigon Corporation station from either line, and thus greatly improves the flexibility of the 110,000-volt line system for maintenance purposes as well as for normal operation.

A new motor-driven governor pump unit, similar to the two already in service, has been installed at Cameron Falls station during the year (on August 24, 1928). This reserve equipment adds somewhat to the reliability of the station.

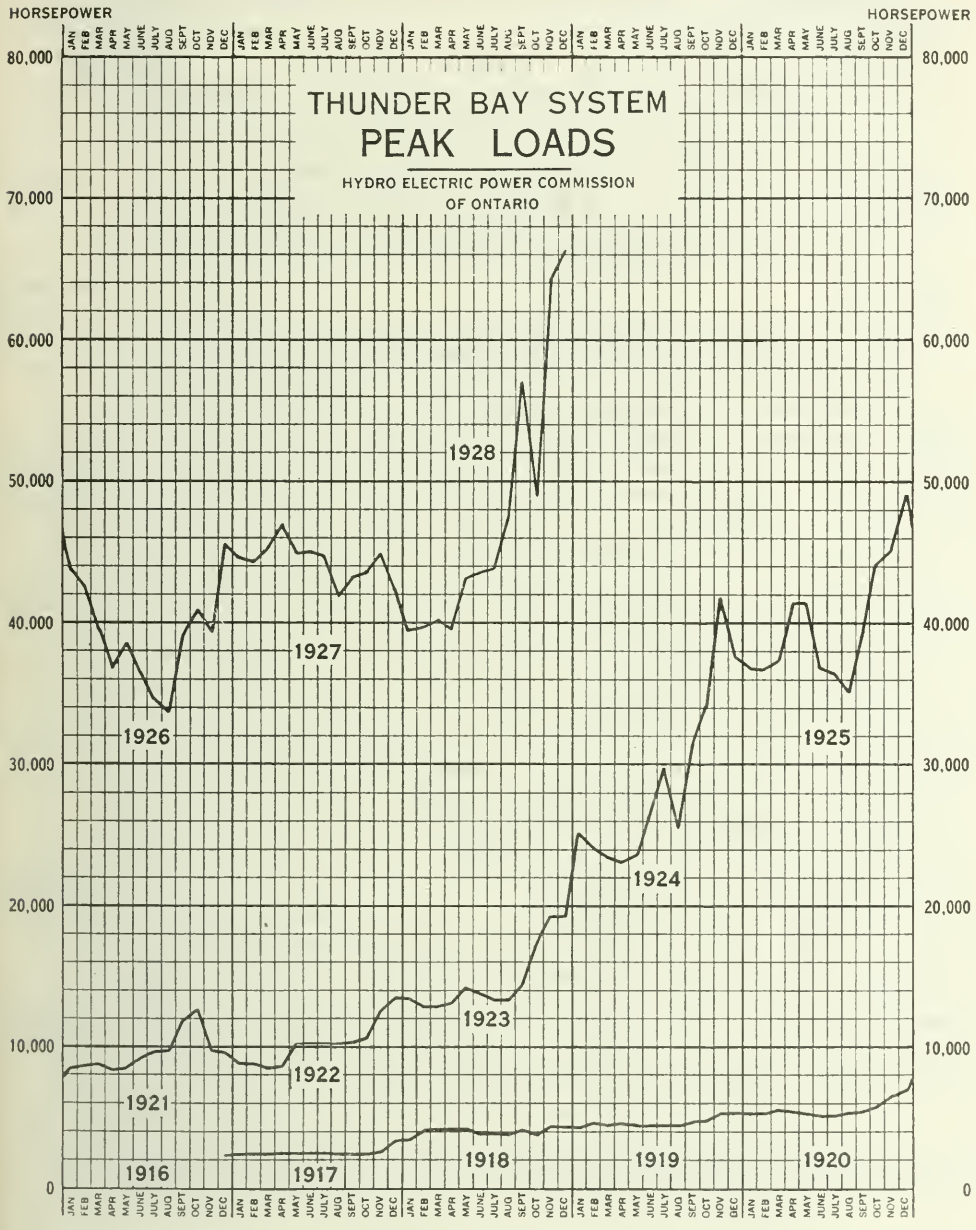
There has been a large amount of hydraulic maintenance done at the Cameron Falls generating station this year. The new cast steel runner for No. 5 unit, referred to in last year's Report, was installed and the unit returned to service May 19, 1928. The new runner is operating very satisfactorily. A new Woodward governor was installed on this unit also, as well as on No. 6 unit, and these are giving excellent service. Advantage has been taken of the fact that the manufacturers were making some changes to generators number 3 and 4, to dismantle and completely overhaul the turbines on these units. The eroded areas on the runners of these units, which were becoming rather extensive in area and depth, were repaired by electric welding. Some minor repairs have been necessary on the cables operating the headgates of units number 3 and 4, and on the stop-log winch of the main dam. The air compressor for the governor system was damaged while trying to use it to supply air for tools during the repair of the turbine runner, but has been properly repaired and a suitable air compressor for this purpose has been installed during September.

Excellent service has been obtained from the transmission lines this year. While there have been two instances during the year in which the circuit on the steel-tower line was cleared at both ends automatically, this did not affect service to any customer. The adding of side guys to the unguyed poles of the wood-pole line was continued during the season. The work of treating the poles at the ground line to arrest decay was carried on during suitable weather this season, also the usual cutting of brush along the right-of-way.

The Port Arthur transformer station has operated continuously with no failures of equipment. During the summer the 110,000-volt bushings in the transformers, which had been supplied with compound filling, had this filling replaced with oil. Correct operation of relays and breakers has been secured in each case of system disturbance throughout the year, due to the care which has been exercised in the adjustment and maintenance of this equipment, The outdoor equipment at this station has been practically all re-painted during the year.

The Fort William transformer station has also functioned in an entirely satisfactory manner, there having been no special maintenance work required at this station during the year.

On account of the extremely heavy precipitation during 1927 it was found necessary to let much water go to waste past the Cameron Falls generating station during practically the entire year 1927, and this has been carried on during the year of 1928. The rainfall this year, also, has been well above the average precipitation for this district, and it may be necessary to continue spilling water for some time longer to avoid carrying too much water in storage in Lake Nipigon.

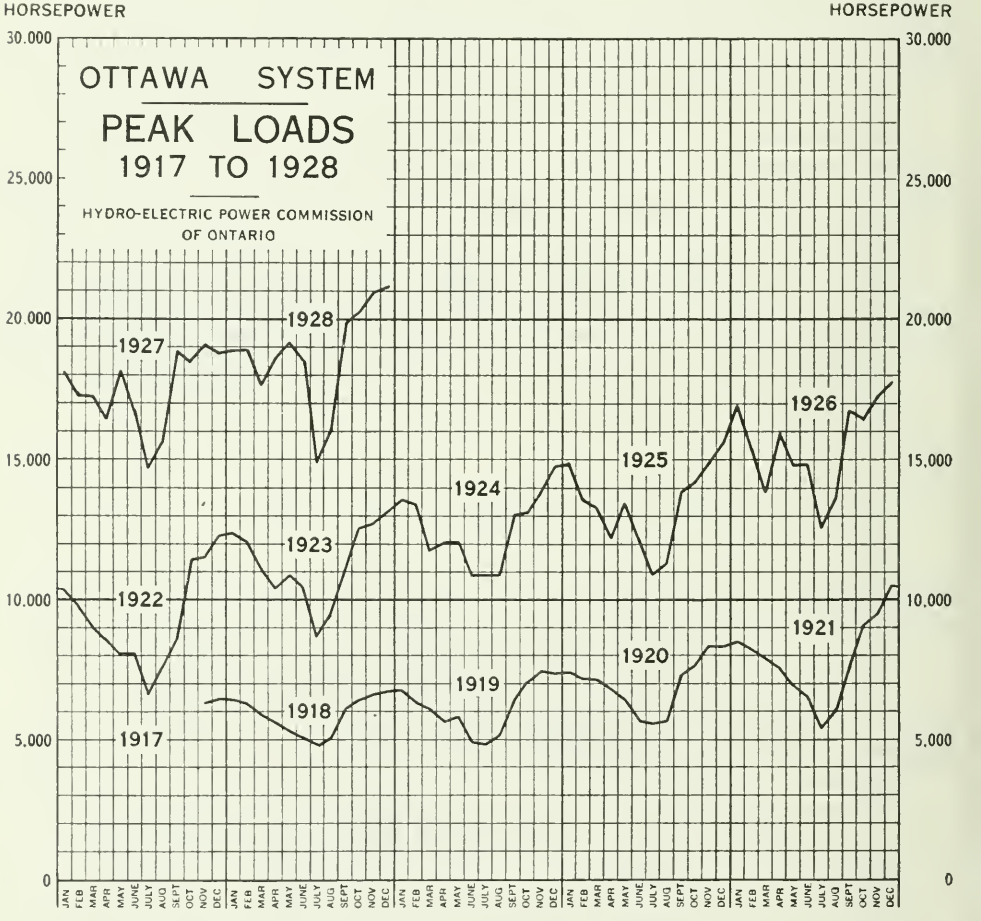


Radio Communication

The two short-wave radio stations at Cameron Falls and Toronto have been kept in service continuously during the past year with only a very few days interruption due to atmospheric conditions. The only station trouble has been due to the failure of the high-voltage generator at the transmitting station at Toronto. The defective armature was replaced, without material interference with service, and will be rewound and returned to operation.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Fort William	1,555.0	8,635.0	10,556.3	.....	1,921.3
Nipigon township	50.3	48.2	56.2	.....	8.0
Port Arthur	26,541.0	32,392.7	27,839.1	4,553.6	.....



OTTAWA SYSTEM

During the present fiscal year the Ottawa system has continued to make its customary increase in load. Operating conditions have been satisfactory throughout the year, except for a short period in the spring when flood conditions on the Ottawa river curtailed the supply of power available from the Ottawa and Hull Power Company.

The village of Richmond was connected for service on July 25 over the newly constructed 4,600-volt transmission line.

OTTAWA SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Ottawa	16,355	18,480	20,241	.....	1,761

NOTE.—Nepean rural power district and Richmond loads are included in Ottawa load to the extent of 131 horsepower for October, 1926, 295 horsepower for October, 1927 and 282 horsepower for October, 1928.

CENTRAL ONTARIO AND TRENT SYSTEM

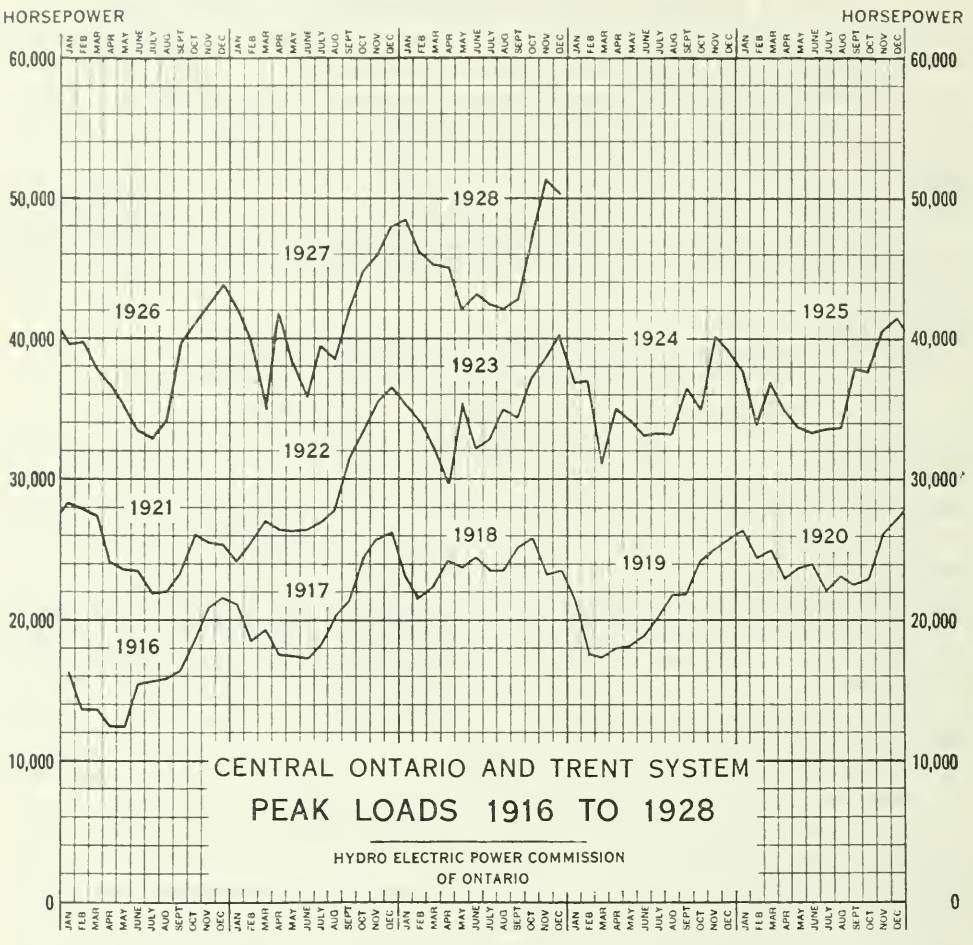
From an operating viewpoint conditions on the Central Ontario and Trent system have been entirely satisfactory throughout the present fiscal year. The demand for power, both in peak and average load, has again shown a substantial increase but the load was at all times within the capacity of the generating stations. However, load reductions, extending to municipal power loads and street lighting, were necessary on December 8 and 9 due to severe frazile ice conditions.

The newly-constructed 44,000-volt transmission line extending from Trenton to Oshawa has proved to be a decided operating betterment, and voltage regulation has been greatly improved at all stations along the line. This new line will also facilitate work in connection with line maintenance, and greatly reduce the probability of interruptions to service.

Telephone communication throughout the system has been greatly improved by the installation of standard protective equipment. Previously, many stations were only equipped with small carbon arresters and great difficulty was experienced owing to the carbons short circuiting the line following line surges. Furthermore it was found that trouble was experienced with the telephone equipment following system disturbances due to the flow of fault current. This condition has been greatly improved by separating the station grounds from the high-tension neutral grounds, which have been extended a matter of 700 feet from the stations. A new telephone line is under construction from Kingston to Belleville, and will be completed at an early date. This line will be connected through suitable protective and switching equipment with the Ottawa, St. Lawrence and Rideau systems for the purpose of load dispatching.

The usual maintenance of stations and buildings was carried out. The brick work of some of the properties was partially repointed. Extensive repairs have been made to the roofs of several of the transformer stations. Painting by means of the spray gun was carried out at many of the stations.

At plant No. 2 all turbines were unwatered and thoroughly inspected, and it was necessary to replace only three broken gates. The headgates were scraped, wire-brushed and painted while the machines were unwatered. A new ball thrust bearing was installed on the turbine exciter unit. All the steel work and outdoor structure was painted. At Sidney terminal station the high-tension neutral was extended a matter of 600 feet and grounded in the river bed. This change has considerably relieved the stresses which previously caused frequent trouble on the telephone equipment at this station.

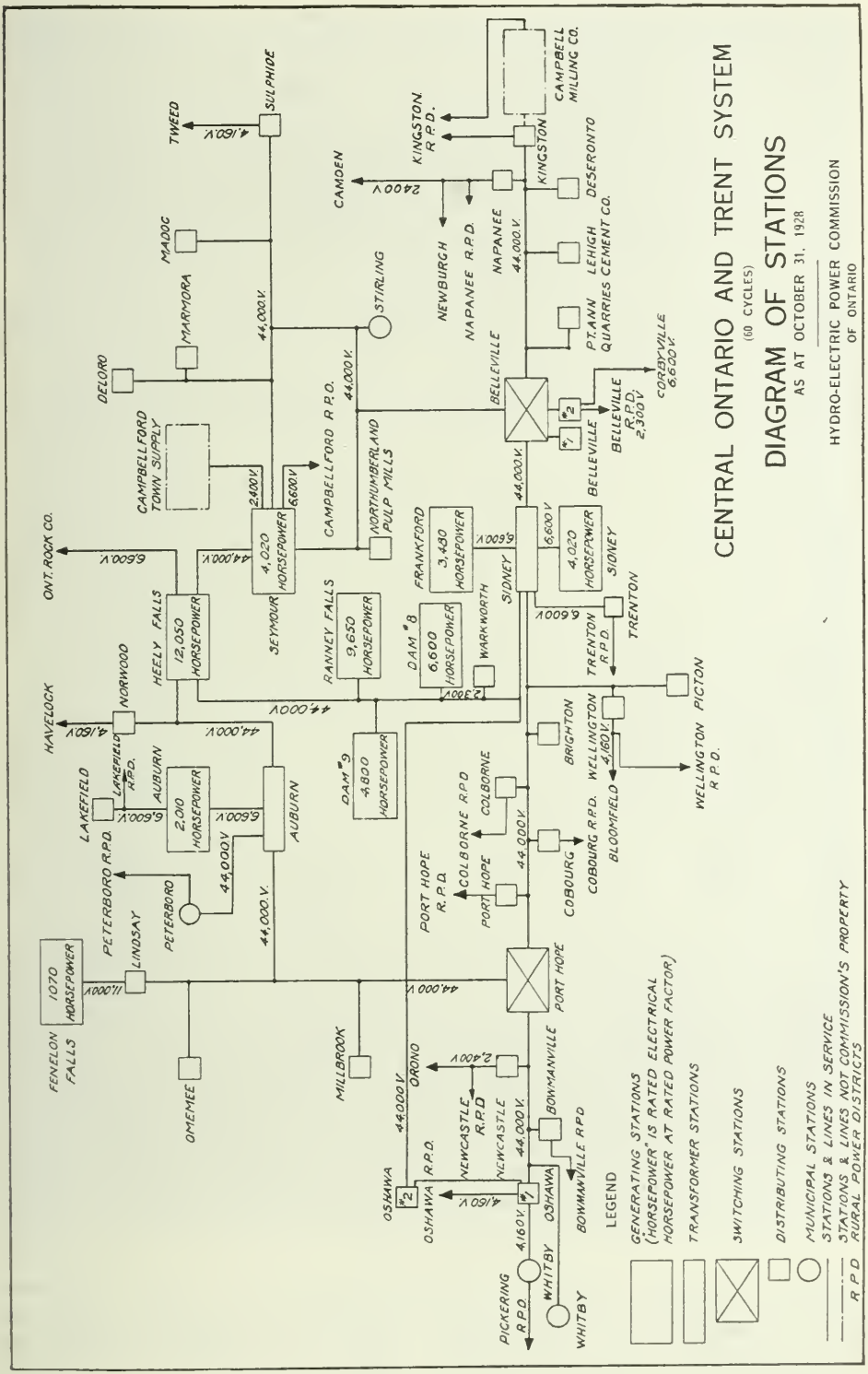


At plant No. 5 the turbines and governors were all overhauled. It was found necessary to replace several broken gates and gate links. A defective guide bearing in one of the turbines was rebabbitted.

At plant No. 8 no extensive maintenance was found necessary. One of the units was unwatered for the purpose of removing debris from the turbine casing. The defective brakes on one generator were replaced. New thermometers were installed on each of the power transformers.

An emergency telephone circuit was established between No. 8 power house and plant No. 10, using a pair of conductors in the supervisory cable.

At plant No. 9 one of the 44,000-volt, 1,350-kv-a. transformers failed in service on February 15. This transformer was returned to the manufacturer, rewound and placed back in service on June 13. Two of the high-tension oil-breaker bushings failed and were returned to the manufacturer for repairs. An emergency telephone circuit was established at this plant similarly to that at plant No. 8.


CENTRAL ONTARIO AND TRENT SYSTEM
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1928
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
SWITCHING STATIONS
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R P D RURAL POWER DISTRICTS
FENELON FALLS
1070 HORSEPOWER
LINDSAY
PETERBORO R.P.D.
PETERBORO
LAKEFIELD
LAKEFIELD R.P.D.
2,010 HORSEPOWER
AUBURN
OMEMEE
MILLBROOK
HAVELOCK
NORWOOD
HEELY FALLS
12,050 HORSEPOWER
ONT. ROCK CO.
SEYMOUR
4,020 HORSEPOWER
CAMPBELLFORD TOWN SUPPLY
CAMPBELLFORD R.P.D.
DELORO
MARMORA
MADOC
TWEED
SULPHIDE
STIRLING
RANNEY FALLS
9,650 HORSEPOWER
DAM "8"
6,600 HORSEPOWER
DAM "9"
4800 HORSEPOWER
NORTHUMBERLAND PULP MILLS
FRANKFORD
3,430 HORSEPOWER
WARKWORTH
SIDNEY
4,020 HORSEPOWER
TRENTON R.P.D.
TRENTON
SIDNEY
BELLEVILLE
BELLEVILLE R.P.D.
2,300 V.
CORBYVILLE
6,600 V.
NAPANEE R.P.D.
NAPANEE
NEWBURGH
CAMDEN
KINGSTON R.P.D.
KINGSTON
CAMPBELL MILLING CO.
PT. ANN LEHIGH CEMENT CO.
DESERONTO
PORT HOPE R.P.D.
COLBORNE R.P.D.
COLBORNE
PORT HOPE
BRIGHTON
COBOURG
COBOURG R.P.D.
WELLINGTON R.P.D.
BLOOMFIELD
WELLINGTON
PICTON
BOWMANVILLE
BOWMANVILLE R.P.D.
ORONO
NEWCASTLE R.P.D.
NEWCASTLE
OSHAWA
OSHAWA R.P.D.
WHITBY
PICKERING R.P.D.
44,000 V.
6,600 V.
4,160 V.
2,400 V.
2300 V.

At plant No. 10 the forebay was unwatered and a large amount of gravel, stone and debris was removed. While the forebay was unwatered a thorough inspection of the turbines was made. The lignum vitae bearings were adjusted, the stuffing boxes above the bearings were repacked to stop the water leaks, and one broken gate lever was replaced. The storage battery was completely overhauled. Telephone equipment was installed at this plant for emergency service with plants No. 8 and No. 9. The high-tension bus-tie oil-breaker, and each of the generator oil-breakers, were thoroughly overhauled. The voltage regulators were greatly improved by the installation of pulsating resistances and new shunting magnet control springs.

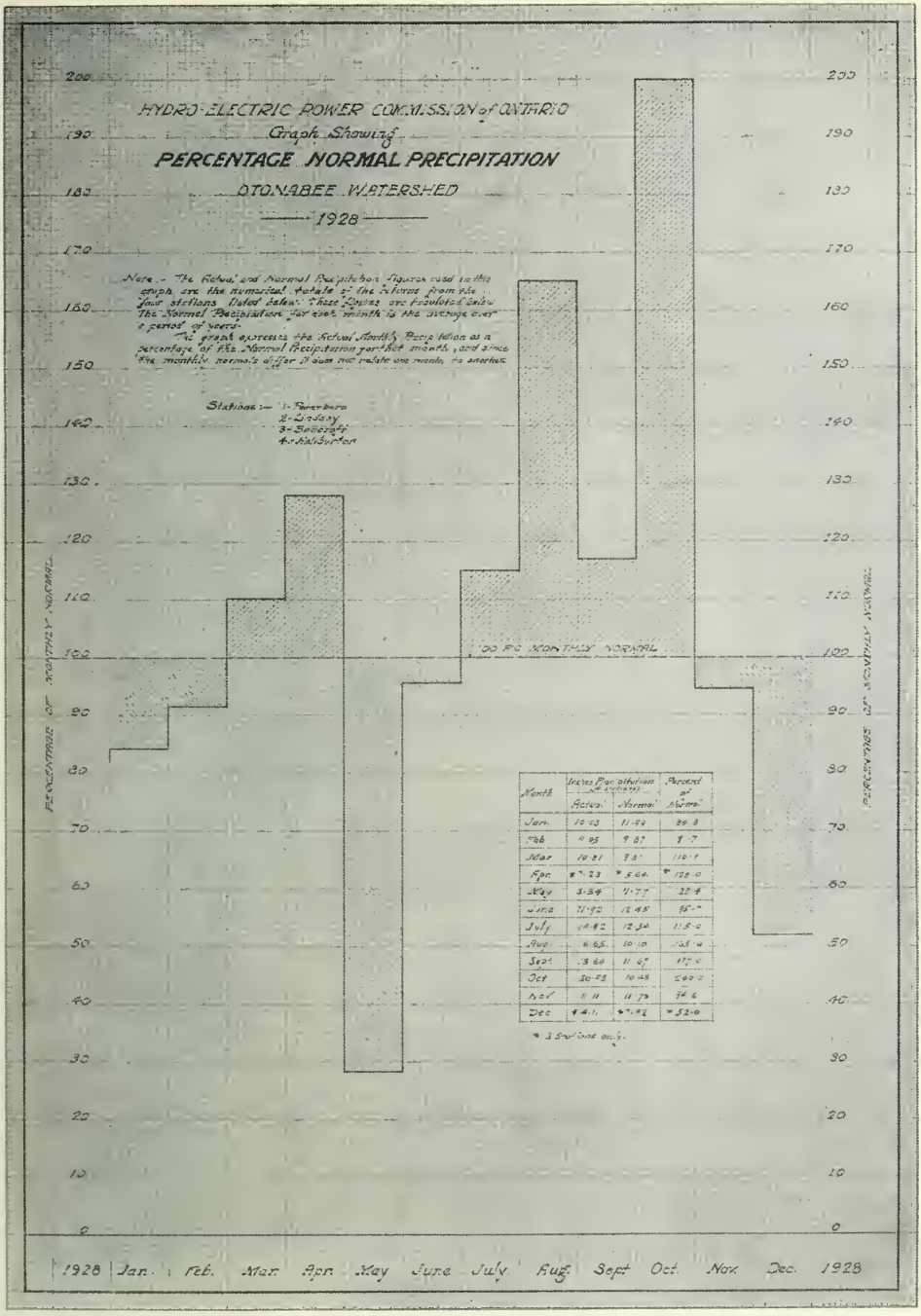
At plant No. 11 extensive repairs were made to the station roof, and the walls were partially repointed. All the turbines and governors were thoroughly inspected. The bottom bearing of one turbine was rebabbitted and the centre guide bearing was shimmed to give proper alignment. The crown gears of two units were repaired. A defective bearing in the exciter turbine was replaced. The high-tension transformer neutrals were grounded through individual switches.

At plant No. 14 all the turbines and governors were thoroughly inspected and the necessary repairs made. A new crown gear was installed on the turbine exciter valve, and a new control cable was installed between this valve and the switchboard. Painting was done on all the turbine casings in the power house, on the penstock of one unit and on all the steel work in the gate-house. The coils and laminations of one generator were tightened down and all generators were painted. Two of the old 44,000-volt line oil-breakers were replaced with breakers having a higher rupturing capacity.

At plant No. 18 extensive repairs were made to one of the turbines, all defective gate links, link pins, and bushings being replaced. One of the main bearings was rebabbitted. It was found necessary on two occasions to unwater one of the other turbines for the purpose of removing drift wood and other debris from the turbine pit. This debris collects in the turbine pits during the winter when the wooden fenders at the top of the racks are removed. Four broken gates were replaced, and the governors were all overhauled. A defective coil was replaced in one of the generators. All the low-tension oil-breakers were overhauled.

At the Auburn transformer station the neutral of each of the high-tension transformers was brought out and connected individually through disconnecting switches to an insulated neutral bus. A ground conductor was extended from this bus to a ground plate in the forebay, a matter of 600 feet above the racks of the generating station. The high-tension line relay protection was greatly improved by the above installation. A current transformer was installed in the neutral bus to provide a source of current for the directional residual ground and timing relays. The high tension relay panel was moved from the transformer station and installed in the generating station. A defective high-tension oil-breaker in the line supplying power to Peterboro was replaced by one of the reserve oil-breakers.

At plant No. 30 both of the main turbines and the exciter turbine were inspected. No major repairs were found necessary. The forebay wall was seriously damaged during the spring freshet due to the action of the ice in an eddy at the back of the diverting wall. Repairs were completed on July 10 and the plant was again placed in service on July 14.


HYDRO-ELECTRIC POWER COMMISSION of ONTARIO
Graph Showing
PERCENTAGE NORMAL PRECIPITATION
OTONABEE WATERSHED
1928
Note - The Actual and Normal Precipitation figures used in this graph are the numerical totals of the returns from the four stations listed below. These figures are tabulated below. The Normal Precipitation for each month is the average over a period of years.
The graph expresses the Actual Monthly Precipitation as a percentage of the Normal Precipitation for that month, and since the monthly normals differ it does not relate one month to another.
Stations:- 1- Peterboro
2- Lindsay
3- Bancroft
4- Haliburton
100 P.C. MONTHLY NORMAL
PERCENTAGE OF MONTHLY NORMAL
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. 1928

Month	Inches Precipitation (4 Stations)		Percent of Norm.
	Actual	Normal	
Jan.	10.23	11.94	84.8
Feb	9.95	9.87	97.7
Mar	10.81	9.81	110.1
Apr.	*3.23	*5.64	*128.0
May	3.84	4.77	22.4
June	11.92	12.45	95.7
July	14.42	12.50	115.0
Aug.	6.65	10.10	65.4
Sept.	13.66	11.67	117.0
Oct.	20.25	10.48	200.0
Nov.	5.11	11.79	74.6
Dec.	4.41	*7.42	*52.0

* 3 Stations only.

PLATE A—PRECIPITATION DATA

This graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal returns of the Meteorological Service for Peterboro, Lindsay, Bancroft and Haliburton. (See inset table.)

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent., hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

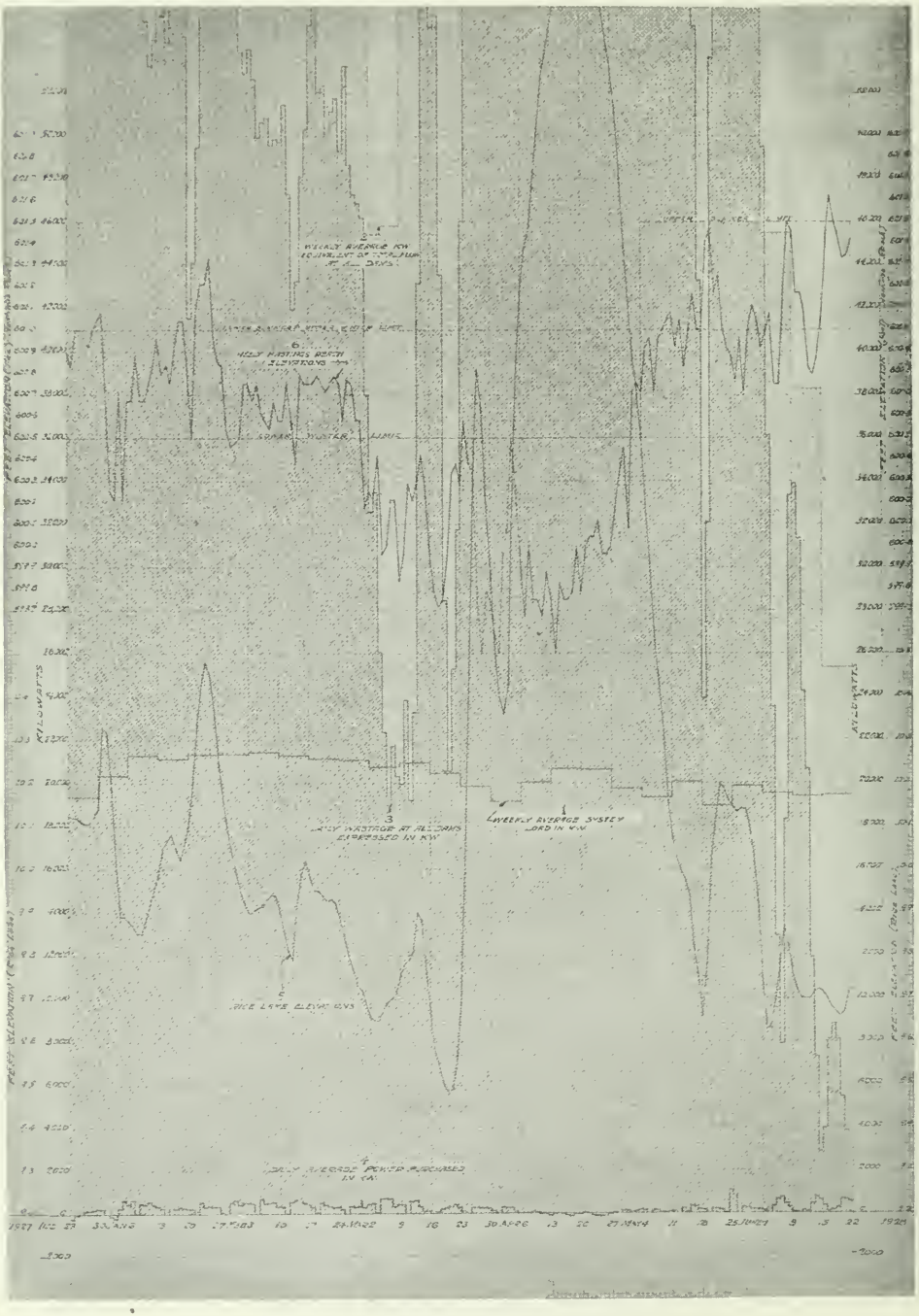

WEEKLY AVERAGE KW EQUIVALENT OF TOTAL FLOW AT ALL DAMS
WEEKLY AVERAGE WASTAGE AT ALL DAMS EXPRESSED IN KW
WEEKLY AVERAGE SYSTEM LOAD IN KW
DAILY AVERAGE POWER PURCHASED IN KW
KILOWATTS
AVERAGE KILOWATTS

PLATE B1—GENERAL OPERATING DATA

December 23, 1927, to June 22, 1928

GRAPH No. 1—System average weekly load in kilowatts.

GRAPH No. 2—Weekly average power equivalent of total flow at all dams. This equals the weekly average system load plus the power equivalent of the weekly average wastage of water at all plants from which the Commission derives its regular supply. The wastage is shown by the dotted hatched area between graphs 2 and 1.

(Description continued on opposite page.)

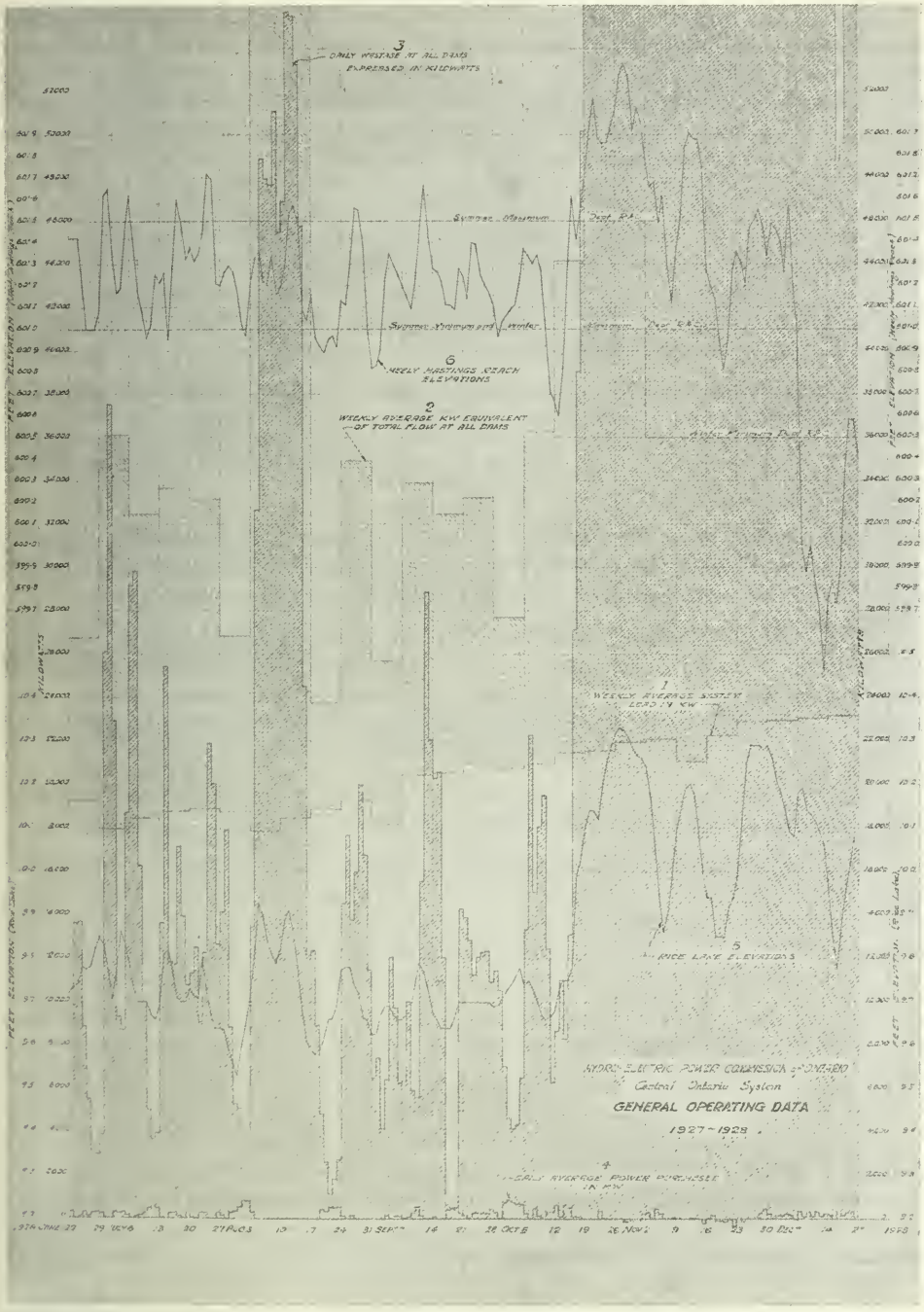


PLATE B2—GENERAL OPERATING DATA
June 22, 1928, to December 21, 1928

GRAPH No. 3—Average daily wastage at all plants expressed in kilowatts. In the weekly aggregate the area under this graph equals the wastage, represented by the hatched area between graphs 2 and 1 and shows the daily distribution on this weekly wastage.

GRAPH No. 4—Average daily power purchased in kilowatts.

GRAPH No. 5—Midnight elevation of Rice Lake.

GRAPH No. 6—Midnight elevation of Heely-Hastings reach.

Due to the rapid load increase in the Oshawa district, a second 3,000-kv-a. transformer was installed on January 26 in the No. 1 substation, bringing the total capacity of this station up to 9,000-kv-a. A temporary 44,000-volt substation was built on the west side of the Oshawa boulevard to serve the north-east section of the town. One 3,000-kv-a. self-cooled transformer was installed in this station and connected for service on May 20.

Additional feeder capacity was installed in the No. 1 Oshawa substation to take care of the increasing load demand of the industrial customers. The transformer high-tension neutrals at this station were connected through individual switches to a ground bus. Directional residual ground and timing relays were installed. A new twelve cell storage battery was installed at this station for operating the oil-breakers.

At Whitby the newly constructed 750-kv-a., 44,000/4,000-volt municipal station was placed in service on October 24.

At Colborne distributing station an additional 100-kv-a. transformer was installed and placed in service on March 10.

At Kingston an additional 750-kv-a. transformer was installed and placed in service on March 15 to meet the increasing load demand in this district. The 44,000-volt oil-breaker at this station was thoroughly overhauled.

At Lindsay transformer station the electrolytic lightning arresters and all the oil-breakers were overhauled. One of the 750-kv-a. transformers failed in service and was temporarily replaced by a reserve transformer of the same capacity. The line relay protection at this station was improved by the installation of additional current transformers on the 11,000-volt feeders.

At Norwood distributing station a defective bushing in the 300-kv-a. transformer was replaced. The 44,000-volt air-break switch was overhauled.

At Belleville a second substation was constructed immediately adjacent to the switching station. This station is equipped with one 750-kv-a., 44,000/2,400-volt transformer for supplying power to both a local and a rural feeder, and one 750-kv-a., 44,000/6,600-volt transformer for supplying power to an industrial customer. This customer was previously fed from No. 1 substation.

At the Belleville switching station a new bus-tie rotor-type disconnecting switch was installed, replacing an obsolete type of switch which was defective. All of the steel structure and the towers were painted. A defective 44,000-volt current transformer on one of the high-tension lines was replaced.

An extensive program of line maintenance was carried out during the year. A large number of defective pin-type insulators were replaced on different line sections throughout the system. Considerable work was done in replacing defective crossarms and pins. Preservation of poles was actively carried out, a matter of 3,000 poles being charred at the ground line and then treated with solignum. A large number of poles were stubbed and others reset.

Assistance has been rendered throughout the year to various municipalities in connection with technical problems in the field.

The Belleville machine and meter repair shop has been exceptionally busy throughout the year. As in the past, all the watt-hour meters on this system and on the St. Lawrence and Rideau systems are maintained by this department.

Load and Water Conditions

Stream flow conditions have again been uniformly satisfactory throughout the year. A point of unusual interest is the high peak registered by the freshet in the latter part of April. The heavy precipitation in November made a good beginning for the winter. Although precipitation for the month of December was a little below normal, the winter months as a whole were up to normal. The winter broke up very suddenly in the latter part of March with an unusually sudden increase in temperature and considerable rain. This together with the snow cover, which had been well maintained up to this time, resulted in the extremely high freshet flows which are the highest in the Commission's records extending back to 1912. The prevailing dry period in May and the early part of June had its effect on the stream flow in the latter part of June. Rice Lake indicated a level slightly below maximum but falling. To avoid the possibility of the level of Rice Lake being drawn down and the danger of creating a shortage in re-establishing the level, the conditions were brought to the attention of the Department of Railways and Canals and it immediately took steps to correct the situation and no inconvenience resulted.

Severe frazile and anchor ice trouble was experienced early in December. On December 8 the temperature fell suddenly, high winds prevailing at the time. Interference with generating stations was so serious that heavy load reductions were necessary, extending to municipal power loads and street lighting. Further ice trouble was experienced later in the month, but no load reductions were necessary after December 9.

CENTRAL ONTARIO AND TRENT SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Belleville	3,257.4	3,071.8	3,121.1	.....	49.3
Bloomfield	107.2	139.4	114.6	24.8	.....
Bowmanville	1,646.6	1,538.0	1,792.2	.....	254.2
Brighton	214.5	210.0	242.6	.....	32.6
Cobourg	1,072.4	1,204.8	1,267.7	.....	62.9
Colborne	135.4	141.0	152.4	.....	11.4
Deseronto	218.5	210.0	164.9	45.1	.....
Havelock	218.5	222.0	250.6	.....	28.6
Kingston	3,485.1	3,963.8	3,912.5	51.3	.....
Lakefield	159.1	151.6	182.9	.....	31.3
Lindsay	1,412.8	1,474.5	1,678.3	.....	203.8
Madoc	123.3	149.4	135.0	14.4	.....
Marmora	72.9	96.5	92.7	3.8	.....
Millbrook	54.7	62.7	64.3	.....	1.6
Napanee	836.0	858.0	931.7	.....	73.7
Newburg	681.0	332.4	396.8	.....	64.4
Newcastle	82.8	74.9	71.1	3.8	.....
Norwood	112.2	147.5	124.8	22.7	.....
Omemee	186.7	56.0	50.1	5.9	.....
Orono	55.2	53.3	47.3	6.0	.....

CENTRAL ONTARIO AND TRENT SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928—Continued

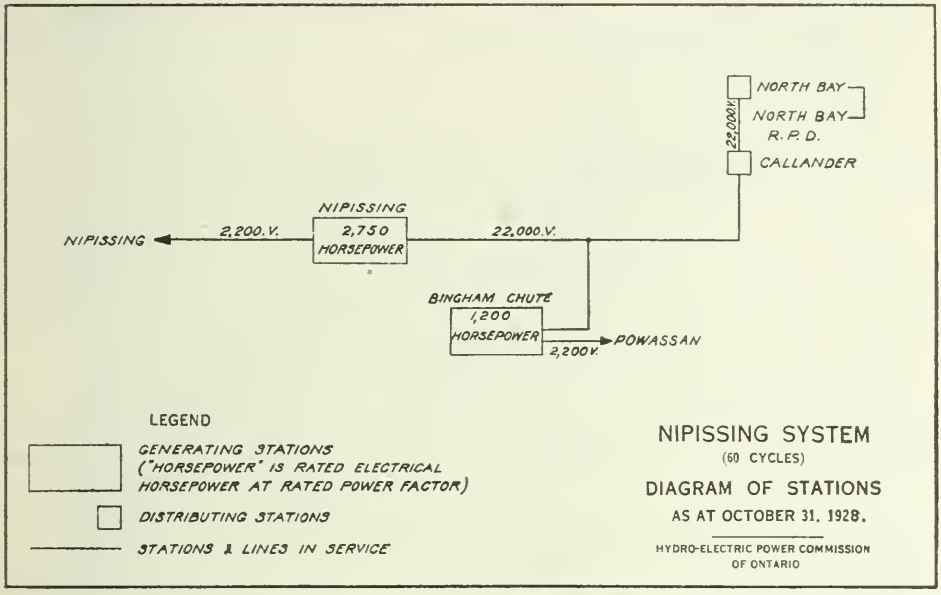
Municipality	Peak load in horsepower			Change in load, 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Oshawa	6,016.0	6,933.0	8,659.5	.....	1,726.5
Peterboro	5,715.7	5,467.8	6,097.0	.....	629.2
Picton	557.6	640.7	737.2	.....	96.5
Port Hope	976.5	752.0	1,112.6	.....	360.6
Stirling	222.8	253.0	261.4	.....	8.0
Trenton	1,215.6	1,654.8	1,906.9	.....	252.1
Tweed	166.2	182.0	209.1	.....	27.1
Warkworth	38.8	53.6	54.9	.....	1.3
Wellington	136.7	146.1	133.8	12.3	.....
Whitby	762.1	860.6	1,000.8	.....	140.2

CENTRAL ONTARIO AND TRENT SYSTEM—RURAL POWER DISTRICT LOADS 1926-1927-1928

Rural power district	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Belleville	.....	85.0	159.4	.....	74.4
Bowmanville	5.0	5.0	4.0	1.0	.....
Campbellford	47.6	50.9	56.3	.....	5.4
Cobourg	.....	11.0	24.5	.....	13.5
Colborne	30.8	34.8	45.1	.....	0.3
Kingston	34.2	36.2	39.2	.....	3.0
Newcastle	.....	5.0	12.5	.....	7.5
Oshawa	191.0	233.0	324.5	.....	91.5
Peterboro	.....	155.5	359.4	.....	203.9
Pickering	59.6	115.6	97.0	18.6	.....
Port Hope	.....	12.0	24.1	.....	12.1
Trenton	1.5	10.0	10.0	.....	.....

CENTRAL ONTARIO AND TRENT SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1928	Decrease	Increase
Lakefield	July 22, 1928	1.0	1.0	.....	.....
Napanee	Nov. 1, 1927	2.0	2.0	.....	.....
Wellington	Nov. 1, 1927	3.0	11.3	.....	8.3



NIPISSING SYSTEM

Both peak and average loads have increased approximately eight per cent on this system.

The excessive floods in the spring of 1928 caused the tailwater to rise so high that it came in on the power house floors at Nipissing and Bingham Chute power houses and caused considerable damage to equipment. Bingham Chute power house was out of operation for a period while the tailwater was high and afterwards until the equipment could be dried out. Nipissing power house was kept in operation and the service to the system was only slightly affected.

Due to lightning, failures occurred in the armature windings of both generators at the Bingham Chute plant. The damage was not extensive, and an armature winder from the Niagara system was brought in and repairs made promptly.

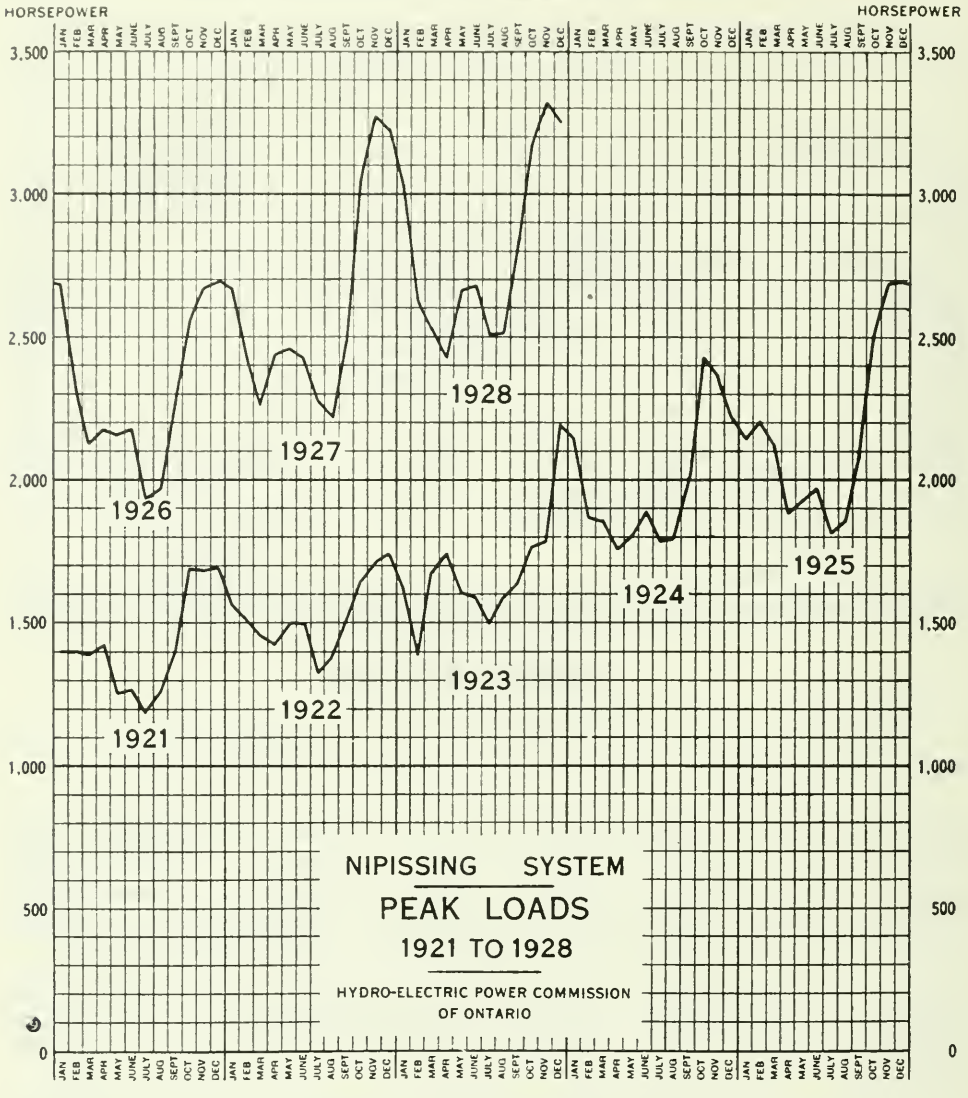
A portion of Craig Lake storage dam was washed out in December, 1927, due to severe storm and ice conditions, and had to be rebuilt during the winter months in preparation for the storage of water during the spring run-off. Maintenance was carried out on some of the other storage dams, and rock and timber were assembled for further repairs to the dams in 1929.

High-tension lightning arresters on this system were given a thorough overhauling and defective units in each arrester replaced.

The grade of the Nipissing power house wood-stave pipe line was adjusted, and provision made for drainage of the pipe line bed.

The deck of the main dam at Nipissing power house was raised to facilitate operation at the time of spring freshets.

Some alterations to the lines were necessary to accommodate road work in the Callander district.



Junction Z52 was relocated, increasing the length of section Z1 X 52 and decreasing the length of section Z6 X 52. New structures and switching equipment were erected at Junction Z52 and Callander in connection with the double circuiting of the line from Junction Z52 to North Bay. The double circuiting of this portion of the line will allow for economic transmission with increasing loads and will facilitate operation and maintenance. The usual line maintenance work was carried out on the high-tension lines between the power house and Junction Z52, such as insulator testing and adjustments to conductors, poles, etc. The balance of the high-tension line sections were carefully adjusted during the stringing of the double circuit between Junction Z52 and North Bay substation.

Arrangements are being carried out to increase the station transformer capacity for North Bay load, and for the installation of a second high-tension substation located nearer the load center of the city.

NIPISSING SYSTEM—LOADS OF MUNICIPALITIES, 1926-1927-1928

Municipality	Peak load in horsepower			Change in load 1927-1928	
	Oct., 1926	Oct., 1927	Oct., 1928	Decrease	Increase
Callander	75.0	92.0	113.9	.....	21.9
Nipissing	3.0	3.0	3.0	.....	.....
North Bay	2,110.0	2,515.0	2,721.2	.....	206.2
Powassan	100.0	103.0	70.8	32.2	.....

NIPISSING SYSTEM—RURAL POWER DISTRICT LOADS, 1927-1928

Rural power district	Peak load in horsepower		Change in load 1927-1928	
	Oct., 1927	Oct., 1928	Decrease	Increase
North Bay	38.0	40.2	.....	2.2

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the "Hydro" utilities of the various municipalities with which it has contracts. In this connection the Commission arranges for the purchase, construction or extension of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of these systems. All rate adjustments, as provided under The Power Commission Act, are recommended by the Commission, and a study of the operating conditions of all utilities is made annually and adjustments recommended accordingly. The Commission generally supervises the management and operation of all systems, more especially in the smaller municipalities, which, individually, are not of sufficient size to employ a manager with the technical knowledge necessary to administer properly all phases of the local system's operation.

NIAGARA SYSTEM

The power supply for the Niagara system, which has up to the present time practically all been supplied from hydro-electric plants on the Niagara river, was augmented by a power supply from the Gatineau Power Company on October 1, 1928. This power is generated at the Gatineau river in the province of Quebec, approximately twenty miles from the city of Ottawa, and the Commission has arranged by contract with this Company for an amount up to 260,000 horsepower to be taken in blocks over a period of three to four years. The power is received in the middle of the Ottawa river and transmitted to Toronto at 220,000 volts. It is tied in with the Niagara system at a new transforming receiving station at Leaside, on the outskirts of Toronto.

During the year there has been an unprecedented demand for additional power for the large companies at or near Niagara Falls supplied with power directly by the Commission. The Commission has been able to arrange contracts for the additional power required by these companies on an interruptible basis during the times of peak load during the winter period. In addition, the Commission has continued the arrangement for the sale of off-peak power to companies in the United States under a very flexible arrangement, which permits the withdrawal of the power when required by Ontario industries.

With the present arrangement for the sale of interruptible and off-peak power, the maximum possible power supply is obtained from the plants of the Commission with the available water supply, and it is also possible to use the power purchased from the Gatineau Power Company at the maximum permissible load factor under the agreement.

General engineering assistance was given during the year to practically all of the municipalities in the Niagara system, by a general supervision of management and operation, and also in connection with the construction and extension of distribution systems and stations. Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Amherstburg—Estimates were completed and work commenced on a new ornamental-lighting system in the business section of the town. The lamps will be 300 watt multiple. For one section ornamental standards supplied by underground cable will be used, while, in the other section, brackets will be mounted on cast-iron poles of the Hydro Radial Railways.

Barton Township—On October 1, the city of Hamilton annexed a part of the township. This action will transfer approximately six hundred domestic and commercial services to the Hamilton Hydro-Electric System.

Blenheim—To take care of the ever-increasing business of the Blenheim system, a new office was opened and the Blenheim system operated under one superintendent with the Blenheim rural power district. This has resulted in a marked improvement in the service.

Bothwell—As the Bothwell rural power district had established a superintendent in Bothwell, the Bothwell Hydro-Electric System arranged for the operation of its distribution system to be taken care of by this superintendent. The billing of the consumers and correspondence work is still being handled by the secretary of the Bothwell Commission.

Bridgeport—For a number of years the police village of Bridgeport was supplied with power from the Kitchener Hydro-Electric System. At the beginning of the year, the necessary by-laws were passed for the purchase and rehabilitation of the existing system in the municipality and for entering into contracts with the Commission for a supply of power. The village began operating as a "Hydro" municipality on March 1, 1928.

Brigden—A new layout was made by engineers of the Commission and the work of overhauling the street-lighting and distribution system was completed. Additional lines and transformers were erected to supply the Tile Company.

Chatham—To take care of the increased load on two of the 4,000-volt feeders, estimates and plans were completed for putting approximately three miles of these two feeders underground as well as to bring all feeders out from the substation in cable.

Comber—To take care of increased loading of secondary lines, due to appliance load, changes in the distribution system were carried out for the Comber Hydro-Electric System.

Dorchester—The operation and maintenance of the local distribution system was taken care of during the year by the Commission at the request of the local trustee board.

Dunnville—Increased industrial activities necessitated an extension to the substation which will cost approximately $13,000.

Ford City—To distribute power from the new distributing station, which is being constructed in Ford City, re-arrangement of the 4,000-volt feeders was commenced so that early in the new year nearly all the service in Ford City will be supplied from Ford City station. The section of the town adjacent to Walkerville will be still supplied from the Walkerville station.

Glencoe—Plans and estimates were completed for the overhauling of the street-lighting and distribution system. The line work was carried out by the construction staff of the Commission.

Goderich—New pumping equipment was installed in the waterworks plant, the installation consisting of an additional electrically-driven domestic pump and two gasoline-engine-driven fire pumps, the latter replacing the old steam pumps.

Highgate—The distribution system was completely overhauled and extended by the Commission's construction staff.

La Salle—Additional three-phase lines were installed in the town to take care of the additional power load. Estimates and plans were completed for changes in the distribution system to take power from the distributing station which will be erected in La Salle early in the new year.

Leamington—Work was completed on the installation of two 60-h.p. motors, operating the centrifugal pump at the waterworks plant in the town.

London Township—Voted Area—At the request of the Council all outside work in the Voted area—Broughdale, Oxford Park and Kensington district—was taken care of by the Commission. Extensions were made from time to time to take care of the increased uses of electric current.

Otterville—The Commission was requested by resolution of the trustee board to operate the Otterville electrical distribution system for the year 1928. This was carried out on its behalf, the work in the field being taken care of by the Commission's Norwich rural power district staff.

Palmerston—The waterworks department has completed the installation of two deep-well centrifugal pumps driven by 30-horsepower motors, one fire pump driven by a 100-horsepower motor and a gasoline-engine driven pump as auxiliary for fire purposes. The old steam pumps and boilers have been removed and the space utilized for storehouse and garage purposes.

Stamford Township—Increasing use of both lighting and power has necessitated extensions to the substation and distribution system, requiring the issuance of debentures for $75,000.

Thamesville—Estimates and specifications were completed and work taken in hand, under the supervision of the Commission's engineers, to completely overhaul the street-lighting and distribution system in the village of Thamesville, to provide larger capacity for the increasing load, and to supply better service to the present consumers. This work will be completed early in the new year.

Tilbury—Estimates and plans were completed to provide additional plant capacity on account of increased load of one large power consumer in the town. Plans have also been prepared for the overhauling of the distribution system and providing additional capacity and for the installation of additional ornamental street lamps.

Walkerville—Additional feeder capacity was provided to supply the increased industrial load in the municipality and take power from the Walkerville municipal station, which is being overhauled and enlarged.

Wallaceburg—To take power from the Wallaceburg distributing station, which had been overhauled under the direction of the engineers of the Commission, three new 4,000-volt feeders were installed. These feeders were brought out from the station in underground cable to terminal poles a short distance from the station.

Weston—Owing to the great extent to which cooking and other electrical appliances are used in the homes the distribution system in the town of Weston became inadequate. A report, with recommendations, was made and following these recommendations, the greater portion of the distribution system has been rebuilt.

Wheatley—An ornamental street-lighting system, using 300-watt multiple lamps in ornamental globes in pole-top fixtures, was installed in the main business section of the town.

Woodstock—Assistance was given in connection with the extension of the 13,200-volt line and the installation of a new 450-kv-a., capacity step-down station to serve a rubber company with 550-volt current.

GEORGIAN BAY SYSTEM

The growth of load and the gradual and constant increase in the demand for electrical power from all sources in the municipalities of this system reached such a magnitude that the combined generating capacity of the six sources of supply from which power is derived was reached during the year, and it was found necessary to make provision for additional plant capacity to take care of future requirements. To provide for the immediate increase in the demand for power, arrangements were completed with the municipality of Owen Sound and the Canadian Pacific Railway elevator at Port McNicoll, to place in operation steam reserve generating plants which existed at these two places, from which a temporary supply of from 1,800 to 2,000 h.p. was obtained to supplement the Commission's hydro-electric plant serving the Georgian Bay system. At the same time the installation of an additional hydro-electric development at Trethewey Falls

on the south branch of the Muskoka river was authorized and placed under construction. This new development is situated approximately two miles above the Hanna Chute development and in conjunction with the latter, will be operated as a semi-automatic station from the switchboard of the main generating plant at South Falls. It is expected that this additional plant capacity will be available next year. At the same time provision was also made for additional future requirements for this system by carrying on investigations covering the construction of a number of developments on the Musquash river. The first of these will have a capacity of approximately 12,000 horsepower, and arrangements are being made to place this development under construction next year so as to provide for placing it in operation by 1930. Approximately 41,000 horsepower will be made available from this source for the Georgian Bay system.

Studies and investigations were also made in connection with improvements in transmission lines for delivering the power to be obtained from the new developments on the Muskoka and Musquash rivers to the various parts of the system. These transmission improvements will be completed next year, and the voltage changed from 22,000 to approximately 38,000-volts. Arrangements were also made for constructing a tie transmission line from the Muskoka system to the Wasdells development to provide for an additional supply of power in the Wasdells section of the Georgian Bay system. An additional transmission line from Waubaushene to Midland was also authorized and placed under construction to provide for the increase in power demand at Midland and the adjacent district.

Substation changes were made at Mariposa by replacing a 75-kv-a, 3-phase transformer with a 150-kv-a unit, and at Orangeville by replacing three 1,000-kv-a transformers with three 150-kv-a units. New substations were installed at Bracebridge for the Beaumaris rural power district consisting of three 200-kv-a transformers; at Buckskin for service to the Buckskin rural power district consisting of one 25-kv-a transformer and at Fennel's Corners for the Innisfil rural power district consisting of two 50-kv-a transformers. Studies and investigations were made, and estimates prepared covering transformer changes at Barrie, Meaford and Holyrood, but the actual installation of additional units in the latter will not be undertaken until next year.

The annual meeting of the Eugenia system municipalities (consisting of all municipalities in the Eugenia division) was held this year at Meaford on June 29, and representatives of the Commission addressed the assembled delegates on various matters pertaining to the operation of their respective distribution systems and to the application and utilization of electrical energy therein, especially with respect to operation, finance and accident prevention.

General engineering assistance and advice concerning local operation was given to the following municipalities on the Georgian Bay system:

Alliston, Arthur, Barrie, Beaverton, Beeton, Bradford, Brechin, Cannington, Chatsworth, Chesley, Coldwater, Collingwood, Cookstown, Creemore, Dundalk, Durham, Elmvale, Elmwood, Flesherton, Grand Valley, Gravenhurst, Hanover, Holstein, Huntsville, Kincardine, Kirkfield, Lucknow, Markdale, Meaford, Midland, Mount Forest, Neustadt, Orangeville, Owen Sound, Paisley, Penetanguishene, Port McNicoll, Port Perry, Priceville, Ripley, Shelburne, Stayner, Sunderland, Tara, Teeswater, Thornton, Tottenham, Uxbridge, Victoria Harbor, Waubaushene, Wingham and Woodville.

Engineering advice of a special nature in connection with the matters referred to was given to the following municipalities:

Elmvale—A 90-kw. static condenser was installed in the local substation for the purpose of providing for power-factor correction on the local distribution system. The entire installation was designed, purchased and constructed by the Commission's engineers and staff on behalf of the municipality.

Midland—A 600-kv-a substation was placed in operation by the municipality during the year for serving the Aberdeen Elevator Company. All engineering details, including design, purchase and construction, were handled by the Commission's engineers, as well as the preparation of a contract for supplying power to the customer. This elevator was one of the oldest institutions of its kind on the Georgian bay, and had always been operated by steam equipment. Complete electrification was arranged for and the electric drive placed in operation during the month of April so as to be available for service by the opening of navigation.

Orangeville—Negotiations covering the purchase of the Cataract Electric Company's distribution system in this municipality were carried to a successful conclusion during the year and all of the rights and properties of this company in the town of Orangeville were acquired by the local Commission. This company had been in competition with the Orangeville Hydro-Electric system since 1916, and in consequence of this transaction the municipality now enjoys complete control of its electric light and power business.

Paisley—A 30-kv-a voltage regulator was installed by the Commission for this municipality for the purpose of improving regulation on the local system. This additional equipment was made necessary on account of increased load conditions and the growing demand for electrical energy in this municipality.

Penetang—A complete new switchboard was designed, purchased and installed in the local substation by the Commission's engineers on behalf of the Public Utilities Commission. This new switchboard was required for the purpose of improving service on the distribution system, the old equipment having become obsolete and inadequate to take care of the increased demand for electrical power in this town.

Port Elgin—At the request of the municipality, estimates were prepared by the Commission covering a supply of power for village requirements, the power to be obtained from the Georgian Bay system. A valuation was also made of the private Company's distribution system serving the village, and a combined report on both of these matters submitted to the council. Complete studies were also carried on concerning the best method of serving this municipality and the adjacent district, as well as investigating the validity of the rights of the private Company concerning the use of the village streets.

Southampton—Estimates on the cost of hydro-electric service from the Georgian Bay system were prepared by the Commission and submitted to the municipality at the request of the town council. A valuation of the private Company's property serving the town was also prepared and forwarded, as well as all details concerning the submission of an enabling by-law to the ratepayers covering a supply of power from the Hydro-Electric Power Commission. It is expected that this by-law will be placed before the ratepayers of the town early next year.

Wiarton—A valuation was made of the private Company's system, from which this municipality was being served. Estimates covering delivery of power to the municipality from the Georgian Bay system were also prepared and a complete investigation carried on with respect to obtaining the most economical method of providing for the electrical power requirements of the town.

ST. LAWRENCE SYSTEM

The municipalities on the system have experienced a general growth in their power demand, for the most part due to increased use of appliances in the home.

Companies on the system, under contract with the Commission for power supply, have increased their power requirements to a considerable degree and are making extensions to plant preparatory to taking additional power, noticeably among these being the Howard Smith Paper Mills, Limited, in Cornwall Township.

In order to provide adequately for the power requirements of the system during the year, the Commission obtained the privilege of taking additional power temporarily until October 31, 1928, from the Cedars Rapids Power and Transmission Company, with which company the Commission has an agreement for a term of years, to supply 7,500 horsepower. Shortly after this date, it is expected that the system's additional power requirements will be obtainable from the Gatineau Power Company over transmission lines between Ottawa and Brockville.

Athens—The village of Athens during the year, has passed "Hydro" by-laws, and a distribution system is being built in the municipality, also an 8,000-volt line from Brockville, which will be fed from a step-down station taking power from the 44,000-volt line, to serve the village of Athens and the rural load in this district.

Finch—The transmission line to supply the village of Finch, was completed during the year. The line was constructed single phase, 4,000 volts, but later changed to three phase, to supply the requirements of a power consumer taking 45 horsepower.

Newington—For many years past, the police village of Newington has been desirous of obtaining service. However, during the year, residents of Newington in conjunction with rural residents, furnished the required applications to receive service as consumers in the Chesterville Rural Power District.

RIDEAU SYSTEM

Without any radical changes in power demands in any of the Rideau towns, there has been a slight increase in load during the year, in each of the towns and villages.

Power was supplied to the Grenville Crushed Rock Company during a part of the summer.

By construction of line and a transformer station adjacent to the town of Smiths Falls, during the year, the Commission has prepared for delivery of additional power supply to the Rideau system from the Gatineau Power Company.

During the month of October, fire destroyed the plant at Merrickville, owned by the Rideau Power Company. The Rideau system, under contract with the company, has been receiving up to 500 horsepower from this plant. The Commission will be short of this supply temporarily, until the plant is rebuilt. In the meantime, the Commission is supplying power to the company for the village of Merrickville.

There is considerable interest shown in rural electrical service in the district south of Smiths Falls. Meetings have been held at Jasper, Portland, Elgin and Delta, and it is anticipated that large rural extension will develop within the next year.

THUNDER BAY SYSTEM

Although there have been no additions made to generating plant capacity, transmission lines, or substations for this system during the year, and although the pulp and paper industry which utilizes the major portion of power produced has passed through a period of depression, nevertheless there has been a considerable growth in the demand for power and the twelve months' period as covered by this report has been the most prosperous in the history of the Thunder Bay system, both with respect to power produced and sold, as well as financially for both the system itself and for the individual municipalities.

In Fort William, the Great Lakes Pulp & Paper Co's plant, which had been closed down for about one year for reconstruction and the installation of paper machines, resumed operation in August, with an increased load, and in Port Arthur a second paper machine was installed and placed in operation by the Thunder Bay Paper Company, greatly increasing the demand for power in that municipality. One of the largest terminal elevators on the great lakes was also placed in operation in Port Arthur during the year. The load sold in Fort William increased during the year by 2,032 horsepower over and above the corresponding period of last year, and in Port Arthur the increase was 4,750 horsepower for the same period. The total system load was 5,473 horsepower greater for 1928 than for 1927.

Engineering assistance with respect to the management of the local distribution systems was given during the year to the local Commissions in the cities of Fort William and Port Arthur, as well as to the village of Nipigon, being the three municipalities which comprise the Thunder Bay system at the present time.

OTTAWA SYSTEM

Ottawa—Additional power has been made available, during the year, by a contract with the Gatineau Power Company, and a site has been purchased to construct a transformer station for the delivery of power from the company. Arrangements have been made to take the additional power required by the city of Ottawa, from the Gatineau Power Company during the period of construction of the station, by a temporary connection enabling the delivery of it through the Ottawa and Hull Power Company generating plant.

Richmond—The Commission has completed the building of a distribution system in Richmond, and the extension of an 8,000-volt line to serve the village. The municipality commenced taking power on July 25, 1928.

CENTRAL ONTARIO AND TRENT SYSTEM

During the year 1928, the growth of load on the Central Ontario system has been very satisfactory. In nearly every municipality the load has increased, but particularly so in the municipality of Oshawa. The increase in load in Oshawa has been very rapid during the last two years, with the result that the existing transmission lines were unable to carry the load and the construction of a duplicate line from Trenton to Oshawa was completed this year. Substantial increases in the transformer station capacity in Oshawa have also been made during the year. In nearly all the municipalities, substantial additions have been made in the distribution systems, particularly to cope with the growing demand of the domestic consumer. A switching station is under construction at Kingston to provide for the receipt of power at 44,000 volts from the Gatineau Power Company. This power will be stepped down at Smiths Falls from 110,000 volts and transmitted to Kingston at 44,000 volts.

Belleville—A new distributing station has been constructed at the Belleville switching towers to relieve the existing station. The Canadian Industrial Alcohol Co. is served at 6,600 volts from this station, and part of the Belleville load at 2,200 volts is also supplied from this station. Extensive improvements to the distribution system have been made in the past year.

Cobourg—A new chlorinator using liquid chlorine has been installed at the waterworks' pumping station.

Kingston—The Commission has concluded a contract with the municipality of Kingston, for a supply of power in excess of the 4,000 horsepower provided for in contract under which the city has received power from the Commission, up to date.

Marmora—The Marmora distributing system was changed from single-phase to three-phase to provide for increased demand for power. The substation capacity was increased from 50 kv-a. to 100 kv-a.

Napanee—The municipality is considering improvements to the street lighting system in the business district.

Orono—Owing to an increase in demand for power, the distribution system at Orono is being changed from single-phase to three-phase; a 300-kv-a. three-phase transformer has been installed at Newcastle substation to provide for the increased load.

Oshawa—The growth of load at Oshawa has been very rapid. Owing to enlargement of the General Motors' plants and allied industries, the load has increased approximately 60 per cent and the number of consumers 20 per cent in the past twelve months. The distributing station and the distributing system have both been enlarged to meet the growth.

Peterborough—The growth of load in this municipality has been particularly noticeable, this growth being largely due to increased load taken by industrial concerns in the city. The municipality has continued to extend and modernize the distribution system. The street lighting in Peterborough which was particularly inadequate, has been greatly improved and extended. A synchronous motor previously used by the municipality for power factor correction was

jointly owned by the Commission and the municipality. The Commission has now purchased the municipality's share in this machine, as owing to the great improvement in Peterborough's power factor, it is not necessary to correct it any longer by this means. This synchronous motor has now been shut down and will be removed from the Peterborough transformer station. This will result in the elimination of noise in this station and will also leave more space for future extensions.

Trenton—Extensive improvements in the distributing station at Trenton are under consideration.

Whitby—The improvements indicated in last year's report have been completed, as follows: Arrangements were made with the municipality of Whitby by which a new 44,000-volt line was built between Oshawa and Whitby and the municipality of Whitby has erected a new 44,000-volt station of 750 kw. capacity. The municipality of Whitby has also undertaken the re-arrangement of its distribution system in connection with this new transformer station.

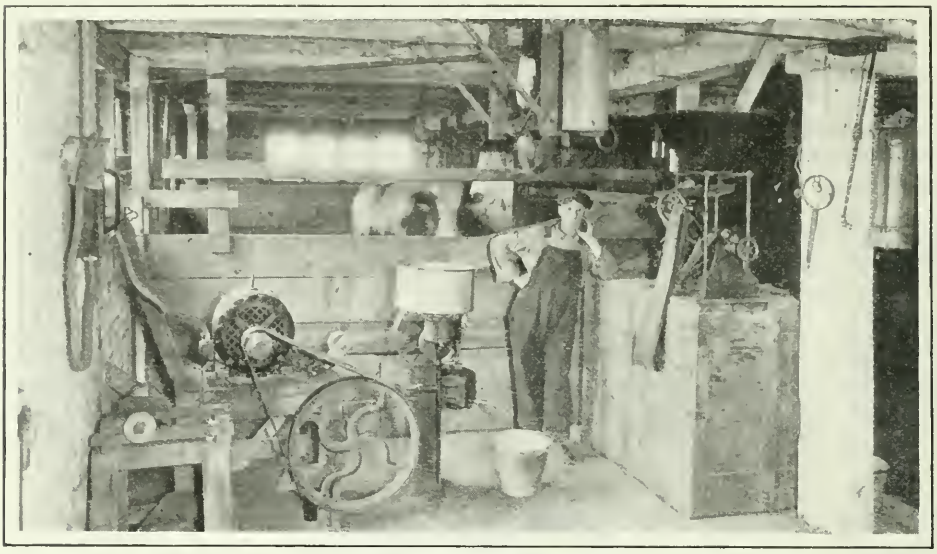
NIPISSING SYSTEM

This system, which serves the city of North Bay, and the villages of Callander and Powassan, was placed under the administration of the Commission at the same time as the Central Ontario system, and has been operated in conjunction with the latter from the date on which all of these properties were originally purchased by the province.

Negotiations covering the purchase of the local distribution system in North Bay were carried on during the year with the city council, but no decision in connection therewith was consummated. The increased demand for electrical power in North Bay has necessitated provision being made for additional generating plant, transmission line capacity, and substation equipment. The construction of a new development was accordingly undertaken by the Commission at Elliott Chute on the South river, a short distance above Bingham Chute, with a capacity of 1,800 horsepower. It is expected that this new development will be completed and placed in operation next year. A new transmission circuit was also constructed on existing poles from Powassan to North Bay, a distance of 15.2 miles, thus giving a double-circuit line, from the junction point of the transmission line from the Nipissing development and that of the Bingham Chute development to North Bay. A new substation was also constructed in North Bay, increasing the existing substation capacity by 750-kv-a and necessary changes were made in the distribution system. Changes and improvements were also made in the Callander distribution system, especially on the main street of the village, along which passes the man transmission line of the Nipissing system.

NEW ONTARIO DISTRICT

Engineering advice and information concerning electric service was given to many places in the northern part of the province, commonly known as "New Ontario," and especially to the city of Sault Ste. Marie and the village of Chelmsford. For the latter place a complete distribution system was designed and rate schedules were prepared for supplying consumers in connection therewith. Negotiations were also conducted concerning a supply of power for this village.



RURAL ELECTRICAL SERVICE
A three-horsepower motor driving a milker, cream separator and chopper on an Ontario farm

RURAL ELECTRICAL SERVICE

The past eight years have witnessed an unprecedented expansion of rural line extensions, with an attendant increase in the use of electricity by the farming communities of Ontario. Whether this growth will continue at the same rate is, of course, problematical. The Commission has, however, obtained data which indicates at least equal progress in the next four years. An outstanding reason for congratulation to the Commission is the extent to which it has gained the confidence of the rural communities through efficiency in the construction of lines, through progressive reductions in rates and by a continuity of service which has contributed very materially to progress by inspiring confidence in the use of electrical power-driven machinery.

During the past year, the amount of constructional work carried out in the rural power districts exceeded by a substantial margin that of any previous year. Nearly 930 miles of primary transmission lines were constructed and electrical service was given to approximately 6,000 additional consumers. The capital expenditure approved for rural construction work during the past year was $2,268,178, and the aggregate peak load in October, 1928, reached 16,980 horsepower. Details of these matters and of the present status of rural distribution are presented in the accompanying tables. For the coming year, arrangements have been made to construct about 850 miles of additional rural lines. It is anticipated, moreover, that this rate of construction will be maintained for some years.

The policy and practice of the Commission has been, and is, to make a distribution of electrical energy as widespread as possible, and to extend to every community that can economically be reached by transmission lines the benefit of electrical service. In harmony with this policy, the supplying of electrical

RURAL ELECTRICAL SERVICE

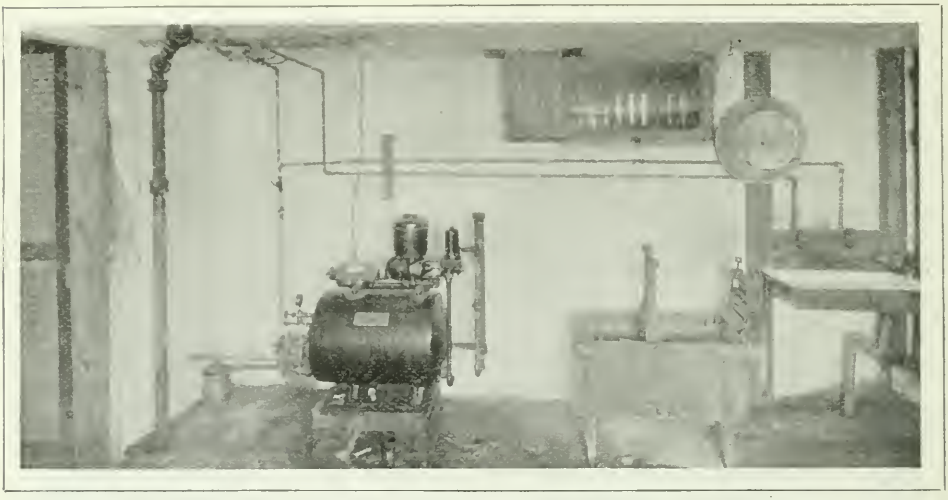
Demonstration of uses of electricity in the farm home and on the farm as given at Provincial plowing match

service to rural districts has been undertaken according to a comprehensive and carefully thought-out programme. For the purpose of electrical service in rural Ontario, rural power districts are formed in the more closely-settled portions of the province traversed by transmission lines. A typical rural power district covers about 100 square miles. Its boundaries are not arbitrary geographical limits—such as define, for example, the areas of townships—but depend rather upon the economic distances which may be served from a distribution centre of city, town or village. It should be appreciated that without such transmission networks as have been constructed to serve the cities and towns of the province, any extensive rural electrification would be economically impracticable.

The experience gained by the Commission and the improvements in technique, enable electrical service to be given to rural districts when there can be secured three signed farm contracts, or their equivalent, per mile of line to be constructed.

The assistance given by the province to farmers and rural residents in the form of a grant towards the capital cost of supplying electrical service is being made to the maximum amount provided for by the Power Commission Act, namely, fifty per cent of the cost of lines and secondary equipment.

This assistance is in pursuance of a long-established governmental policy of promoting the basic industry of agriculture in various ways. This policy had previously found expression in the establishment of agricultural schools, colleges and experimental farms, in assistance for road building and in other ways. The grants-in-aid thus given make it possible to extend hydro-electrical power service to those engaged in and connected with agricultural pursuits in less densely populated districts where otherwise such service would not be financially feasible.



RURAL ELECTRICAL SERVICE
Water installation in the basement of an Ontario farm home

The extent and effect of the province's financial assistance with respect to the distribution of power in rural districts should be clearly understood. The government grant-in-aid relates to the initial capital investment. Having made its grant-in-aid, the government's participation in operations respecting the property to which the grant applies ceases. Each rural power district not only pays its cost of operation, maintenance and administration of these lines, but also sets up reserves for renewals, obsolescence and contingencies on the whole of the equipment and lines, as well as for sinking fund on the investment made by the Commission on behalf of the local authorities. The provincial grant-in-aid is of special assistance when the initial financial investment for any rural power district is made.

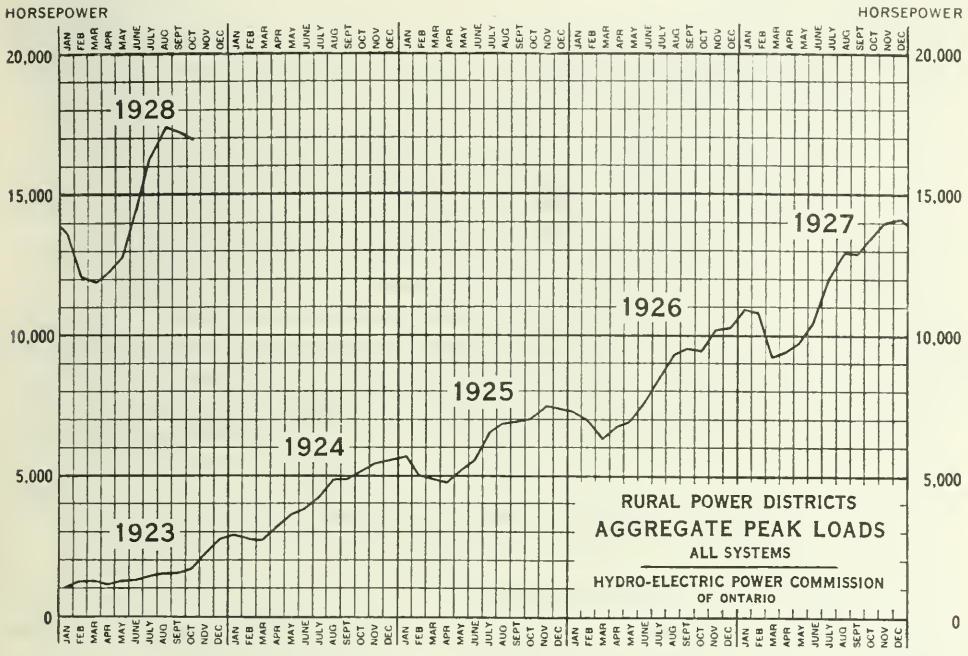
The aggregate load distributed to the rural dwellers, is and possibly must always be, but a relatively small proportion of the total energy distributed by the Commission, and the provincial grant towards the cost of rural service is of no

SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1928

System	Miles of primary line	Number of consumers			Capital approved for extension	
		Hamlet	Farm	Total	Total	Provincial grant
					$ c.	$ c.
Niagara	3,536.07	14,489	11,547	26,036	7,767,341.84	3,883,670.92
Georgian Bay	183.19	1,122	420	1,542	375,092.82	176,365.70
St. Lawrence	82.05	400	140	540	171,300.45	85,650.22
Ottawa	90.77	271	248	519	170,641.53	85,320.76
Central Ontario and Trent	206.96	1,648	636	2,284	454,405.50	227,202.75
Nipissing	4.50	139	3	142	12,997.00	6,498.50
Total	4,103.54	18,069	12,994	31,063	8,951,779.14	4,464,708.85

NOTE: The Commission is now operating 131 rural power districts which comprise 233 townships in different parts of the Province.

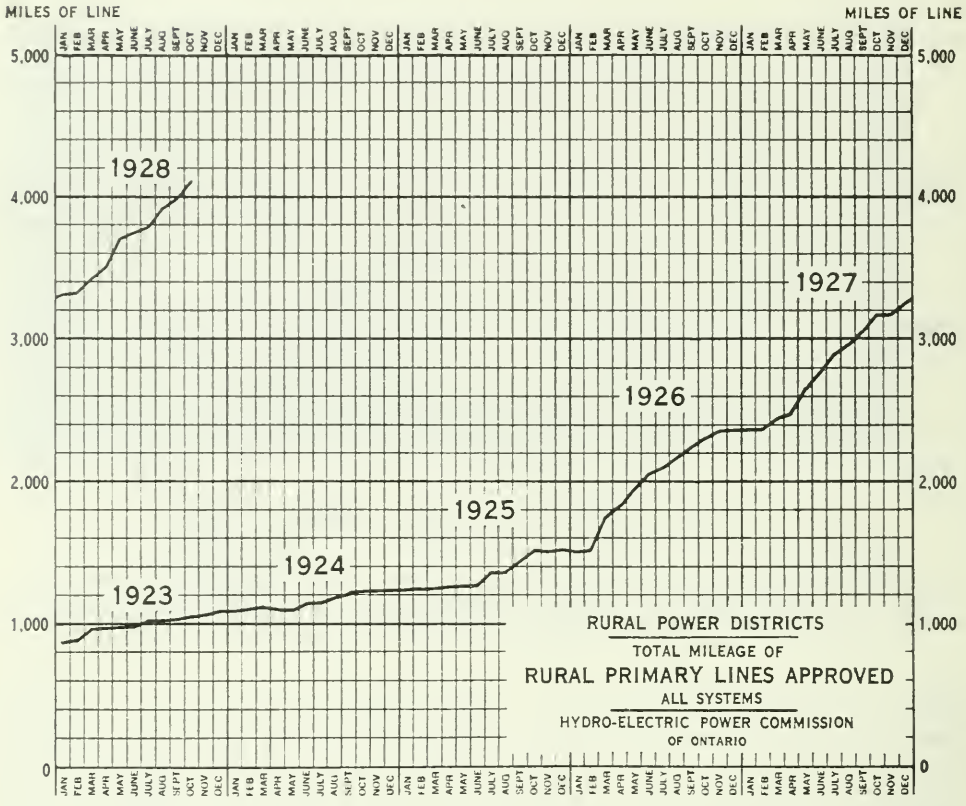


advantage to the power system as a whole, because the demand for power at present, apart altogether from the small amount distributed to the rural districts, is such as readily to absorb all the available supply. On the other hand, the beneficial influence of rural electrical service on agriculture is reflected in the prosperity and welfare of the province as a whole, and is already a factor of importance and worth.

The Year's Activities

During the past year the engineers of the Commission attended a number of public meetings throughout the province held for the specific purpose of explaining to prospective consumers the rates at which electrical power could be supplied, the uses which can be made of power on the farm and the procedure necessary to obtain service. In all, thirty-nine meetings were held. Where possible, moving pictures were shown, illustrating the uses of electricity on the farm. The provincial statutes relating to rural distribution were explained, pamphlets were distributed, and assistance was given to local committees appointed to canvass their respective districts.

The Commission also co-operated with the provincial Department of Agrculture by giving similar talks to students taking short-course lectures at the Agricultural College at Guelph, and at other centres. Representatives of the Commission also attended provincial ploughing matches and arranged to give information to a large number of interested farmers. The manufacturers of electric motors and other equipment used in connection with power on the farm, co-operated with the Commission in giving demonstrations at various places, showing actually how power can advantageously be employed by the farmer.



During the past year, not only has the power taken by the rural power districts increased because of the increased mileage of transmission lines and the demand of the consumer connected to these new lines, but the demand for power has also increased due to the greater use of electricity on the farms already served and due also to the connection of new consumers to existing lines. Furthermore, many townships have installed—in districts where the conditions warranted—street lighting systems on the public highways. To supply these increased loads new substations have been constructed and the capacities and number of lines have been increased.

One of the most important factors in connection with rural power supply is the stability of the rates charged. Experience has led the Commission to adopt the safe policy of constructing rural lines only when sufficient contracts have been signed to guarantee payment of the fixed charges on the cost of the lines to be constructed; the minimum signed contracts required being three rural light or medium farm contracts, or their equivalent, per mile of line constructed.

The rates first submitted to the proposed consumers are, therefore, the maximum, and the rates in any rural power district may be and in practice have been reduced from time to time as the number of consumers per mile of line constructed in the district increases above the required minimum. Sixty per cent of all operating rural power districts have had their rates reduced as shown in the accompanying table, and it will be noted that service charges have been reduced to as low as fifty per cent of the maximum.

The service given given by the Commission is "at cost" and the rate schedules are designed upon this basis. In practice, however, it is, obviously, sound practice to provide for a small surplus of revenue over estimated costs. Should greater use be made of the service than was anticipated, a greater revenue will result without proportionate increase in expenses; and therefore a greater surplus will also result. This has been the experience of the Commission in connection with the operation of rural power districts.

At the end of this section is given a tabulation of the rural power districts established in connection with the several systems of the Commission, which show the miles of line, the number of consumers and the rate schedules for each district.

The following tabulation shows in detail, the extensions approved during the year, the number of consumers, the amounts of power supplied, the capital expenditures and the amounts of provincial grant-in-aid of rural lines approved by the government.

RURAL LINE EXTENSIONS DURING THE YEAR 1928

System	Miles of primary line	Number of consumers			Power supplied in October, 1928	Capital approved for extension	
		Hamlet	Farm	Total		Total	Provincial grant
					h.p.	$ c.	$ c.
Niagara	773.37	1,750	2,863	4,618	14,811	1,859,780.40	929,890.21
Georgian Bay	61.19	398	169	567	473	139,729.00	68,198.00
St. Lawrence	17.64	118	28	146	208	48,746.00	24,373.00
Ottawa	20.51	41	65	106	257	41,086.00	20,543.00
Central Ontario and Trent	81.76	238	211	449	1,191	172,579.00	86,289.50
Nipissing	2.00	30	2	32	40	6,258.00	3,129.00
Total	956.47	2,575	3,343	5,918	16,980	2,268,178.40	1,132,422.71

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1928

NIAGARA SYSTEM

Rural power district			Miles of line	No. of consumers	Rural rates												
					Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
					1B	1C	2A	2B	3	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Acton	N5	D1	1.33	5	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Amherstburg	N15	D3	46.87	417	1.30	2.35	1.60	2.45	3.20	3.35	4.05	5.15	5.85	7.65	9.25	4	2	10
Aylmer	N11	D2	70.09	390	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	5	2	10
Ayr	N12	D4	9.50	37	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Baden	N7	D1	39.70	250	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	3.5	2	10
Beamsville	N1	D4	85.79	626	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	3.5	2	10
Belle River	N15	D2	27.94	271	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	6.25	8.10	9.90	5	2	10
Blenheim	N14	D3	38.85	211	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	4	2	10
Bond Lake	N3	D3	65.17	833	1.10	2.00	1.35	2.10	2.75	2.85	3.45	4.45	5.00	6.55	7.95	3.5	1.5	10
Bothwell	N14	D10	20.78	78	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Brampton	N13	D2	38.55	123	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	5	2	10
Brant	N12	D1	67.74	301	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	3	1.5	10
Brigden	N18	D8	22.15	70	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Burford	N12	D2	16.21	113	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Caledonia	N2	D5	40.40	195	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Chatham	N14	D1	96.92	577	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	4	2	10
Chippawa	N1	D7	10.83	112	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	3.5	2	10
Clinton	N8	D11	21.50	144	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Delaware	N4	D3	80.63	470	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	4	2	10
Dorchester	N4	D1	92.80	477	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	4	2	10
Dresden	N14	D12	.33	2	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Drumbo	N12	D5	20.82	147	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Dundas	N2	D1	54.68	453	1.30	2.35	1.60	2.45	3.20	3.35	4.05	5.15	5.85	7.65	9.25	3	1.5	10
Dunnville	N1	D9	1.25	12	1.00	1.80	1.25	1.90	2.50	2.60	3.20	4.05	4.55	6.00	7.05	3.5	2	10
Dutton	N11	D3	9.88	66	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10

Elmira	N7	D3	3.50	31	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Elora	N5	D4	11.99	126	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Essex	N15	D7	54.42	261	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	5	2	10
Exeter	N4	D6	44.86	416	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	5	2	10
Forest	N18	D6	3.75	16	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Galt	N6	D2	19.29	203	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	4	2	10
Georgetown	N5	D2	24.16	135	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	4.5	2	10
Goderich	N8	D2	3.66	46	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Grantham	N1	D2	36.67	414	1.00	1.50	1.25	1.90	2.50	2.60	3.20	4.05	4.55	6.00	7.25	3	1.5	10
Guelph	N5	D3	37.91	180	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	4.5	2	10
Haldimand	N2	D8	8.21	67	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	4.5	2	10
Harrow	N15	D4	39.16	331	1.45	2.65	1.80	2.80	3.65	3.80	4.60	5.90	6.65	8.75	10.60	5	2	10
Ingersoll	N10	D3	82.44	303	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5.5	2	10
Jordan	N1	D3	24.13	216	1.05	1.90	1.30	2.00	2.65	2.75	3.35	4.25	4.80	6.30	7.65	3	1.5	10
Keswick	N3	D5	14.81	613	1.20	2.15	1.50	2.25	3.00	3.10	3.75	4.80	5.40	7.10	8.60	4.5	2	10
Kingsville	N15	D5	74.89	961	1.00	1.80	1.25	1.90	2.55	2.65	3.20	4.05	4.60	6.00	7.30	3.5	2	10
Listowel	N8	D8	26.20	149	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
London	N4	D2	138.76	1,502	.90	1.65	1.15	1.75	2.30	2.40	2.90	3.70	4.15	5.45	6.60	3	1.5	10
Lucan	N4	D5	25.29	103	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Lynden	N2	D2	35.40	173	1.45	2.65	1.80	2.80	3.65	3.80	4.60	5.90	6.65	8.75	10.60	4.5	2	10
Markham	N3	D1	47.40	400	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	4.5	2	10
Milton	N13	D3	30.11	193	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	5	2	10
Milverton	N8	D9	13.83	68	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Mitchell	N8	D7	26.50	176	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Newmarket	N3	D4	9.95	147	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	5	2	10
Niagara	N1	D1	45.29	216	1.20	2.15	1.50	2.25	3.00	3.10	3.75	4.80	5.40	7.10	8.60	3	1.5	10
Norwich	N10	D1	74.61	347	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	4	2	10
Oil Springs	N18	D3	11.34	86	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Palmerston	N8	D6	.23	10	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Petrolia	N18	D5	1.90	18	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Preston	N6	D1	72.14	644	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	3	1.5	10
Ridgetown	N14	D2	68.94	533	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	4	2	10
St. Jacobs	N7	D2	20.75	213	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	3	1.5	10
St. Marys	N9	D1	56.35	202	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
St. Thomas	N11	D1	93.75	797	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	3	1.5	10

RURAL POWER DISTRICTS—MILES OF LINES, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1928

NIAGARA SYSTEM—Continued

Rural power district			Miles of line	No. of consumers	Rural rates													
					Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
					1B	1C	2A	2B	3	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Saltfleet	N17	D1	79.61	841	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	6.20	8.10	9.90	3	1.5	10
Sandwich	N15	D1	97.44	1,698	1.00	1.85	1.25	1.90	2.55	2.65	3.20	4.05	4.60	6.00	7.30	3.5	2	10
Sarnia	N18	D4	75.47	872	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	.....	8.20	.....	4	2	10
Scarboro	N3	D2	38.65	269	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	5	2	10
Seaforth	N8	D10	9.00	108	1.10	2.00	1.35	2.10	2.75	2.85	3.45	4.40	5.00	6.55	8.00	4	2	10
Simcoe	N12	D6	25.47	159	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Stamford	N1	D6	7.21	218	1.30	2.35	1.60	2.45	3.20	3.35	4.05	5.15	5.85	7.65	9.25	3	1.5	10
Stratford	N8	D4	26.25	198	1.15	2.15	1.45	2.35	3.00	3.10	3.75	4.80	5.40	7.10	8.60	4	2	10
Strathroy	N4	D4	10.17	61	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.60	7.50	9.85	11.90	6	2	10
Streetsville	N13	D1	61.03	260	1.55	2.85	1.95	2.95	3.90	4.05	4.90	6.25	7.10	9.30	11.25	4	2	10
Tavistock	N8	D1	33.69	176	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.60	10.55	5	2	10
Thamesville	N14	D11	21.40	129	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Tilbury	N14	D14	40.69	199	1.70	3.15	2.15	3.30	4.35	4.50	5.55	7.00	7.90	10.40	12.55	5	2	10
Tillsonburg	N10	D4	83.68	447	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Wallaceburg	N14	D13	50.96	361	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	4	2	10
Walsingham	N12	D7	9.05	72	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Walton	N8	D3	21.56	150	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Waterdown	N2	D3	24.72	241	1.20	2.15	1.50	2.22	3.00	3.10	3.75	4.80	5.40	7.10	8.60	3.5	1.5	10
Waterford	N12	D3	20.30	61	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Welland	N1	D5	123.26	1,644	1.00	1.80	1.25	1.90	2.50	2.60	3.20	4.05	4.55	6.00	7.05	3.5	2	10
Woodbridge	N16	D1	118.65	679	1.45	2.65	1.80	2.80	3.65	3.80	4.60	5.90	6.65	8.75	10.60	3.5	2	10
Woodstock	N10	D2	101.80	517	1.30	2.35	1.60	2.45	3.20	3.35	4.05	5.15	5.85	7.65	9.25	3	2	10
Total, Niagara System			3,343.36	26,036														

GEORGIAN BAY SYSTEM

Barrie	S4	D1	9.92	93	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Beeton	S33	D1	.33	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Beaumaris	N7	D1	15.00	106	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Buckskin	S24	D1	.94	13	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Cannington No. 1.	W3	D1	3.25	21	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Cannington No. 2.	W3	D2	4.11	20	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.45	8.75	10.60	6	2	10
Chatsworth	E3	D1	.00	18	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Elmvale	S7	D1	.00	22	1.50	2.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.5	2	10
Flesherton	E1	D1	1.56	20	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6.5	2	10
Georgina	W2	D2	9.50	81	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Innisfil	S31	D1	13.25	137	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Lucknow	E24	D1	.00	1	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	8	2	10
Mariposa	W9	D1	28.41	170	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	6	2	10
Markdale	E1	D2	1.22	2	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Meaford	E14	D1	.66	2	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Neustadt	E8	D1	.33	1	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	5	2	10
Nottawasaga	S5	D1	7.75	81	1.25	2.30	1.60	2.40	3.20	3.30	4.00	5.15	5.80	7.65	9.25	5	2	10
Orangeville	E12	D1	8.20	19	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Port Perry	W7	D2	2.30	43	1.20	2.20	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Ripley	E24	D2	.00	2	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	8	2	10
Shelburne	E10	D1	2.30	10	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Sparrow Lake	W1	D1	14.53	115	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Stayner	S10	D1	11.97	349	1.25	3.00	....	....	....	....	....	....	....	.....	.....	6	2	10
Tara	E15	D1	19.95	90	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Uxbridge	W7	D1	10.00	51	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Walkerton Quarry.	E26	D1	1.60	5	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	6	2	10
Wroxeter	E23	D1	14.00	69	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Total, Georgian Bay System..			181.08	1,542														

RURAL POWER DISTRICTS—MILES OF LINES, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1928

NIAGARA SYSTEM—Continued

Rural power district	Miles of line	No. of consumers	Rural rates													
			Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
			1B	1C	2A	2B	3	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	

ST. LAWRENCE SYSTEM

Apple Hill..... L14 D1	10.60	93	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Brockville..... L3 D1	6.89	46	1.60	2.95	2.05	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	6	2	10
Chesterville..... L5 D1	32.02	215	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Martintown..... L13 D1	10.03	92	1.83	3.18	2.35	3.92	5.16	5.56	7.04	8.70	10.72	12.93	15.75	8	2	10
Maxville..... L14 D2	.00	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Prescott..... L2 D1	16.54	81	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Williamsburg..... L7 D1	4.84	12	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Total St. Lawrence System..	80.92	540														

OTTAWA SYSTEM

Nepean..... T1 D1	89.89	519	1.60	2.95	2.05	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	3	1.5	10

CENTRAL ONTARIO AND TRENT SYSTEM

Belleville	C38 D1	10.82	321	1.20	2.15	1.45	2.25	2.95	3.10	3.75	4.80	5.40	7.10	8.60	5	2	10
Bowmanville	C23 D1	.50	3	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Campbellford	C11 D1	11.25	32	1.20	2.15	1.50	2.25	3.00	3.10	3.75	4.80	5.40	7.10	8.60	6	2	10
Cobourg	C13 D1	52.31	206	1.35	2.47	1.69	2.59	3.41	3.56	4.31	.....	6.22	.....	9.90	5	2	10
Colborne	C7 D1	10.00	69	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	5	2	10
Kingston	C44 D1	10.93	96	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Lakefield	C18 D1	.00	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Napanee	C43 D1	1.49	6	1.35	2.50	1.70	2.60	3.45	3.60	4.35	5.55	6.25	8.20	9.90	6	2	10
Newcastle	C22 D1	5.05	28	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	6	2	10
Oshawa	C24 D1	41.83	600	1.00	1.85	1.25	1.90	2.55	2.65	3.20	4.05	4.60	6.00	7.30	4	2	10
Peterboro	C20 D1	25.00	729	.63	1.16	.79	1.21	1.59	1.66	2.01	2.57	2.91	3.81	4.62	4	2	10
Pickering	C24 D2	8.07	120	1.65	3.00	2.05	3.15	4.10	4.30	5.20	6.65	7.50	9.85	11.90	4	2	10
Port Hope	C16 D1	9.64	35	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Trenton	C3 D1	1.80	29	1.35	2.47	1.69	2.59	3.41	3.56	4.31	.....	6.22	.....	9.90	5	2	10
Warkworth	C49 D1	.00	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Wellington	C45 D1	.58	8	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Total, Central Ontario and Trent System		189.27	2,284														

NIPISSING SYSTEM

North Bay	Z4 D1	4.50	142	1.10	2.00	1.35	2.10	2.75	2.85	3.45	4.45	5.00	6.55	7.95	7	2	10

Total all systems: Miles of line..... 3,889.02 Number of consumers..... 31,063

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under twelve general classes with limitations as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting	0.75	1	110	15
1C	" "	2	1	220/110	35
2A	House Lighting	1	1	110	20
2B	Small Farm Service	2	1	220/110	35
3	Light Farm Service	3	1	220/110	35
4	Medium Farm Service	5	1	220/110	50
5	" " "	5	3	220/110	35
6A	Heavy Farm Service	9	1	220/110	100
6B	" " "	9	1 and 3	220/110	60
7A	Special Farm Service	15	1	220/110	According to load
7B	" " "	15	1 and 3	220/110	According to load
8	Syndicate Outfits	..	..	.....	.....

Class I: Hamlet Service—Includes service in hamlets, where four or more consumers are served from one transformer. This class excludes farmers and power users. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores. Use of appliances over 750 watts permanently installed is not permitted under this class.

Class 1-C: Service to residences or stores with electric range or permanently installed appliances greater than 750 watts. Combinations of residence and store supplied from one service shall be not less than Class 1-C. Special or unusual loads will be treated specially.

Class II-A: House Lighting—Includes service to all residences that cannot be grouped as in Class I. This class excludes farmers and power users.

Class II-B: Farm Service, Small—Includes service for lighting of buildings and power for miscellaneous small equipment and power for a single-phase motor not exceeding 2 horsepower or an electric range (motor and range not to be used simultaneously) on a small farm of fifty acres or less.

Class III: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors not exceeding 3 horsepower and electric range. Range and motor are not to be used simultaneously.

Class IV: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors up to 5-horsepower demand or an electric range. Range and motor are not to be used simultaneously.

Class V: Farm Service, Medium 3-Phase—Includes service for lighting farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or an electric range. Range and motor are not to be used simultaneously.

Class VI: Farm Service, Heavy—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service, will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class VII: Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class VIII: Syndicate Outfits—Any consumers with contracts in any of the foregoing farm classes may, with the approval of the Hydro-Electric Power Commission of Ontario, form a syndicate under a separate contract for the purpose of operating jointly a syndicate outfit provided the summation of their relative class demands is not less than the capacity of the syndicate motor.

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

Activities for the fiscal year 1928 in the work of the Hydraulic department have included the inception of construction work on two new power developments, namely those at Trethewey falls and Elliott chute, which, although of small capacity, are of importance in their relation to the systems in which they are located. The investigation of these, and other possible developments to give the service for which they were designed, had extended over a number of previous years, and throughout there has been careful study of future conditions and suitable additional sources of energy. Certain of these investigations are referred to in more detail below.

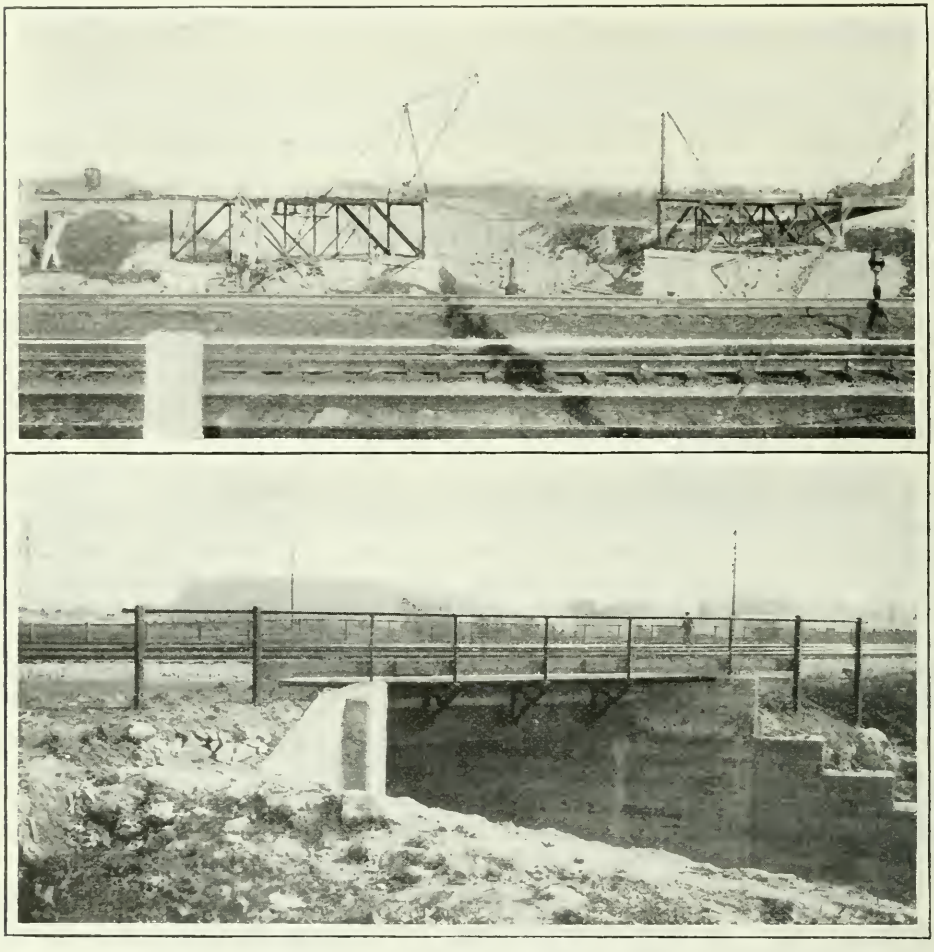
In the Niagara district, bridge construction, reconstruction of an ice chute, and certain other items of reconstruction and repair constitute the physical work undertaken. In addition to this, however, attention has been given to matters in connection with diversion of water, future load requirements and completion of the Queenston plant by the addition of the tenth unit.

The Commission at the request of the Provincial government is handling the design and supervision of construction of a dam at the outlet of Lac Seul on the English river.

NIAGARA SYSTEM

Completion of the last section of the Commission's construction railway undercrossing at the Canadian National railway and the erection of a highway bridge over the Queenston-Chippawa canal at Victoria avenue comprise the most important construction activities in this district during the year.

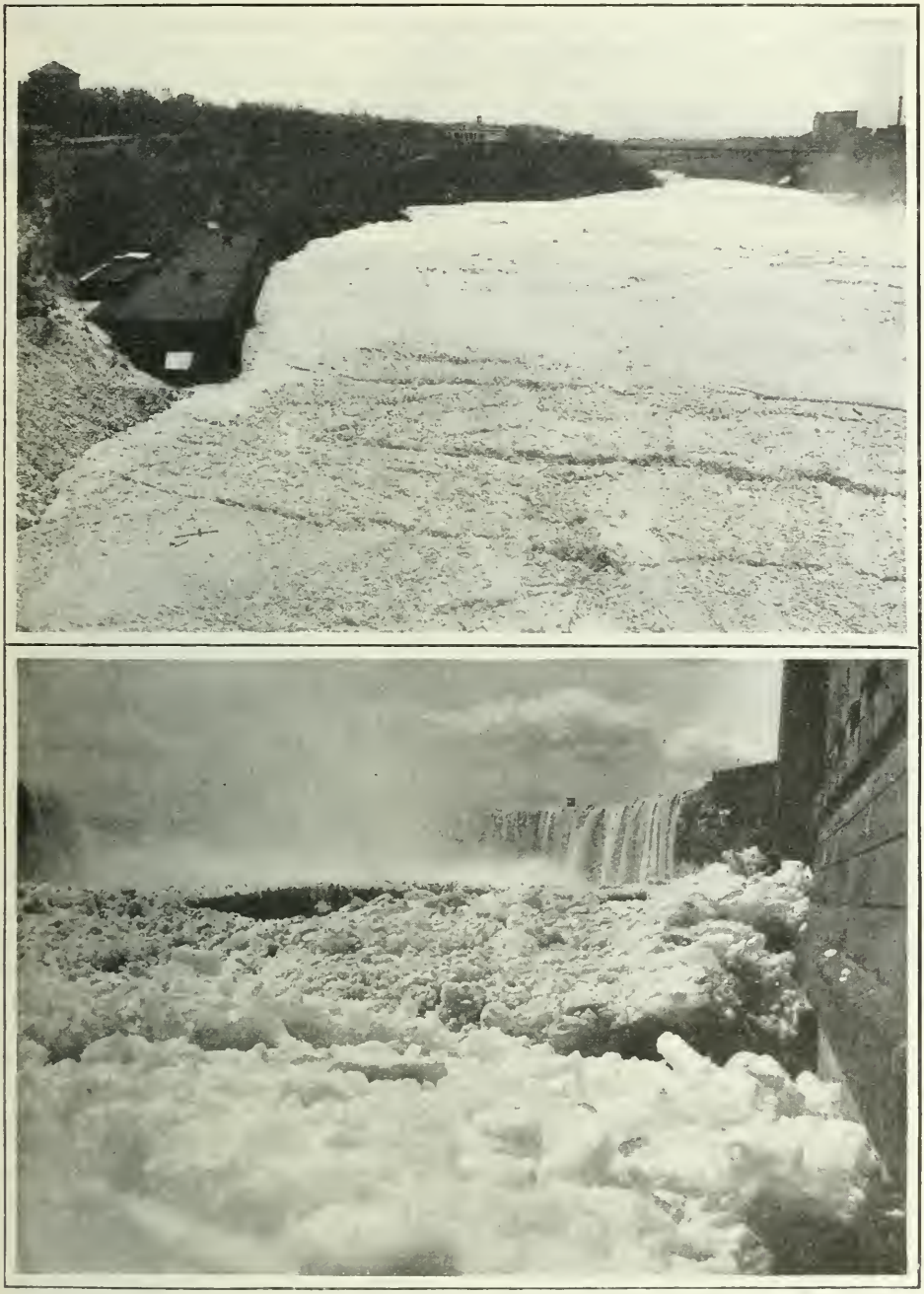
When the canal was built there were two Canadian National tracks crossing the canal and construction railway immediately north of the whirlpool section. The development of the railway yards immediately east of the canal has occasioned an increase in the number of tracks until, at present, five lines cross the canal and construction railway. The railway arch over the canal provided for all of these. The undercrossing of the construction railway, completed this year, provided for the last two, and also completed all prospective work at this point, the railway right-of-way now being completely occupied. The undercrossing was built by contract and is now in service.



QUEENSTON-CHIPPAWA POWER CANAL
A—Victoria Avenue bridge over power canal, looking downstream, October, 1928.
B—Extension of Construction Railway undercrossing at C.N.R., October, 1928.

The highway bridge referred to crosses the canal north-east of the Canadian National railway and provides, by its connection with the Provincial highway through St. Catharines, convenient access to the city of Niagara Falls and the boulevard system of the Queen Victoria park. It is similar to other highway bridges built over the canal and consists of three structural steel deck spans, supported on concrete abutments and piers, with a roadway 20 feet wide, and one 6-foot sidewalk. It is being built under two separate contracts, for foundation and steel superstructure, and is now approaching completion.

Further investigation of economy and preparation of estimates for installation of the tenth unit in the Queenston power house have proceeded. Present conditions require continuous operation of nine units at a high load factor. The addition of a tenth unit will provide spare capacity when necessary, and at other times, by permitting all units to operate at more efficient loads, increase the total plant capacity above that which may be carried by nine units. The proposed tenth unit will be similar in capacity and arrangement to units 6 to 9.



ICE FORMATION AT NIAGARA FALLS

A—Ice conditions in lower Niagara river on April 15, 1928. Enormous ice masses were swept by wind to the east end of lake Erie and were carried thence to the river below the Falls. The water level in the lower river rose thirty feet above its normal level at the Ontario Power plant, but the plant suffered no damage.

B—Ice masses in the Niagara river in front of the Ontario Power plant on April 16, 1928. This view is taken looking toward the Horseshoe Fall from the north end of the plant. The depth from the surface to the bottom of the ice, in places, is probably more than fifty feet.

At the Ontario Power plant the ice run from the inner forebay was reconstructed. This reconstruction added materially to the capacity of the ice chute, whereby more rapid disposal of large accumulation of ice has been effected.

At the Toronto Power plant it is proposed to use the turbine driven service units to generate current for operation of switches. The governors on these units are obsolete and of a type quite unsuitable for present-day requirements; they have therefore been redesigned to fit them for the service to be demanded of them.

GEORGIAN BAY SYSTEM—POWER DEVELOPMENTS
Trethewey Falls looking south-east along site of main dam.

GEORGIAN BAY SYSTEM

The continued increase in demand for power in this system has occasioned the development of the Trethewey Falls site on the South Muskoka river. This site is immediately above the Hanna Chute station, which went into service last year. The development, known as the Trethewey Falls development, is similar in many respects to that at Hanna Chute, but has a capacity of 2,300 horsepower.

There will be a single vertical turbine unit of the propeller type in a pressure flume, which will develop 2,300 horsepower under a head of 35 feet. Above the site will be a headpond with an area of about 175 acres, and between it and Hanna Chute there is a pond area of about 400 acres. The storage in these two areas will be ample to permit effective use of the normal river flow, fitting it to the daily and weekly variations in load with small variations in headpond level. As in the case of the Hanna Chute development, the plant will be under remote control from the South Falls station. The Commission's Construction department has the work in hand, and it is expected that the plant will be completed during the summer of 1929. Contracts have been awarded to the S. Morgan Smith-Inglis Company for the turbine and governor equipment.

To be fully prepared for further power demands for this system, preliminary plans and estimates have been made for a series of developments on the Musquash river, draining the Muskoka lakes into Georgian bay. Investigations indicate that an aggregate capacity of 40,000 horsepower may be developed very econ-

omically on this river. Furthermore, the flow characteristics of the river are advantageous in their relation to the system load, particularly in this respect, that ample water supplies are available during the winter months when the system load is high. The logical initial development is at Ragged Rapids, where a 12,000 horsepower installation may be made under a head of 40 feet. The progressive development of the other sites will be made as required.

The advisability of adding to the installation at Eugenia Falls has been studied with a view to increasing the peak capacity of the system.

The governor pumping arrangement at Big Chute, which was of the separate system type and somewhat unsatisfactory in operation, is being reconstructed into a central pumping system. New pumps, piping and tanks were purchased and are being installed.

Examination and investigation have been made of certain storage sites on the Black river, a tributary of the Severn, and it is expected that additional storage will be provided. This work will likely be undertaken by the Department of Lands and Forests of Ontario, and the costs assessed among the various parties benefiting therefrom.

NIPIGON RIVER POWER DEVELOPMENTS—THUNDER BAY SYSTEM
Cofferdam for main dam of Alexander power development at shut down, November, 1927.

THUNDER BAY SYSTEM

Construction work at the Alexander Power development continued until December, 1927, and then ceased for the winter. As the demand for power had fallen off in Port Arthur and Fort William, further work was deferred until load growth demands it. At the time when work was discontinued, the cofferdam for diversion of the river past the site of the earth dam was practically completed, and is ready for closure. The diversion canal, through which the river will flow when the cofferdam is closed, is completed, together with the concrete structure of the control works. Power house and forebay excavation is well advanced, and the power house cofferdam is about half finished. A large amount of rock

has been placed in the toe of the main dam. All of the work is in such a state that construction can proceed without delay from the state at which it ceased. The hydraulic turbines, for which contracts had been made with the S. Morgan Smith-Inglis Company, are completed and ready for installation.

NIPISSING SYSTEM

The new development at Elliott Chute is now under construction. This site is immediately upstream from the headpond of the Bingham Chute development. Primarily, it is a storage development having a capacity between high and low reservoir elevations of 5,000 acre feet, but in addition it will provide a further generating capacity of 1,800 horsepower. This will be installed in a single vertical unit. A storage development was essential to permit the Bingham Chute and Nipissing plants to use the available water supply advantageously and to meet, in part, the growing load demands in periods of low river flow. The site is excellently placed in relation to the existing plants, as the discharge from the Elliott Chute reservoir passes immediately into the Bingham Chute headpond, and thence by seven miles to the South river to the Nipissing plant. One of the difficulties in connection with storage developments on small rivers is to locate them so that the water in storage basins is available when required. A series of small inexpensive reservoirs near the headwaters of a stream may contain as much stored water as one close to power concentrations, but may be practically useless at periods of deficient stream flow, for various reasons. For example, the great length of channel between reservoir and power plant frequently causes a considerable time to elapse between discharge of water from the reservoir and increased flow at the power plant; or water discharged into the river channel may, in the winter season, run into and be held in the snow cover until the spring break-up. These disadvantages, both of which have been experienced in the past on the South river, will be overcome by the Elliott Chute storage reservoir, as water discharged flows directly into the Bingham Chute headpond and is, therefore, immediately available at the latter plant. The Bingham Chute discharge reaches Nipissing after an interval of only a few hours, with no possibility of any large amount of the flow being held in the river channel between the two plants.

The power development at Elliott Chute will have a single, vertical turbine unit of the propeller type, rated at 1,800 horsepower under a head of 39 feet. The contract for the supplying of this equipment has been awarded to the S. Morgan Smith-Inglis Company. A 10-foot wood-stave pipe, 200 feet long, leads from the headworks to a concrete pressure flume, in which the turbine is installed. It is proposed that this plant will be operated by remote control from Bingham chute.

As stated above, the dam and headworks are under construction, and it is expected that power will be available during the summer or early fall of 1929.

Lac Seul Dam—English River

Following the report made for the Provincial government regarding the regulation and power resources of the English river, arrangements have been made whereby the Commission's engineers are in charge of the design and construction of a regulating dam at the outlet of Lac Seul. The Dominion

NIPISSING SYSTEM—POWER DEVELOPMENTS
Elliott Chute, looking upstream to dam site.

government and the governments of Ontario and Manitoba are parties to the work, as the regulated flow will benefit developments further downstream and on the Winnipeg river in the province of Manitoba. The dam, which is 44 feet high, is a pier and stop-log structure, with gravity end walls, has twenty sluiceways each 14 feet wide, and has a total length of 601 feet, including gravity sections. The storage basin created by it will have a capacity of 400,000 acre feet. A contract for the work has been let to Morrow and Beatty, Limited, and construction is proceeding as rapidly as possible, with a view to conserving the spring run-off of 1929. The site is one hundred miles from the Canadian National

STORAGE SITE ON THE ENGLISH RIVER
Lower Ear Falls, the site of the proposed Lac Seul Dam.

Railways station at Hudson, from which point water transportation was used for all materials and supplies. Practically all heavy material had been transported to the dam site at the end of October, before the closing of the navigation season. Construction work up until that time included camp buildings, cofferdam and excavation, preparation of foundations, and partial completion of two earth dykes. Pouring of concrete will commence within a few weeks and it is expected that the dam will be so far advanced by the end of winter as to permit the conservation of the flood run-off in the spring of 1929.

HYDRAULIC INVESTIGATIONS

Niagara River

Reference was made in the last annual report to the progress of proposals for the better distribution of the flow in the Niagara river over the Horseshoe falls. Since then the International Niagara Board of Control has issued an interim report, making definite proposals in connection with the work. The interest of the Commission in these proposals, and in fact in any work that it is proposed shall be done in the Niagara river, is very great, as possible variation in Niagara river levels caused thereby will have important effects on the capacity of the power developments, particularly the Queenston-Chippawa development. The report has therefore been studied carefully, together with other related works, particularly those in connection with the proposed regulation of the lakes. One additional recording gauge has been installed to collect water level records at a strategic point in relation to the compensating weir proposed by the Board.

Madawaska River

Further investigation and studies have proceeded, and preliminary estimates have been made on the various power sites on the Madawaska river below Palmer's rapids.

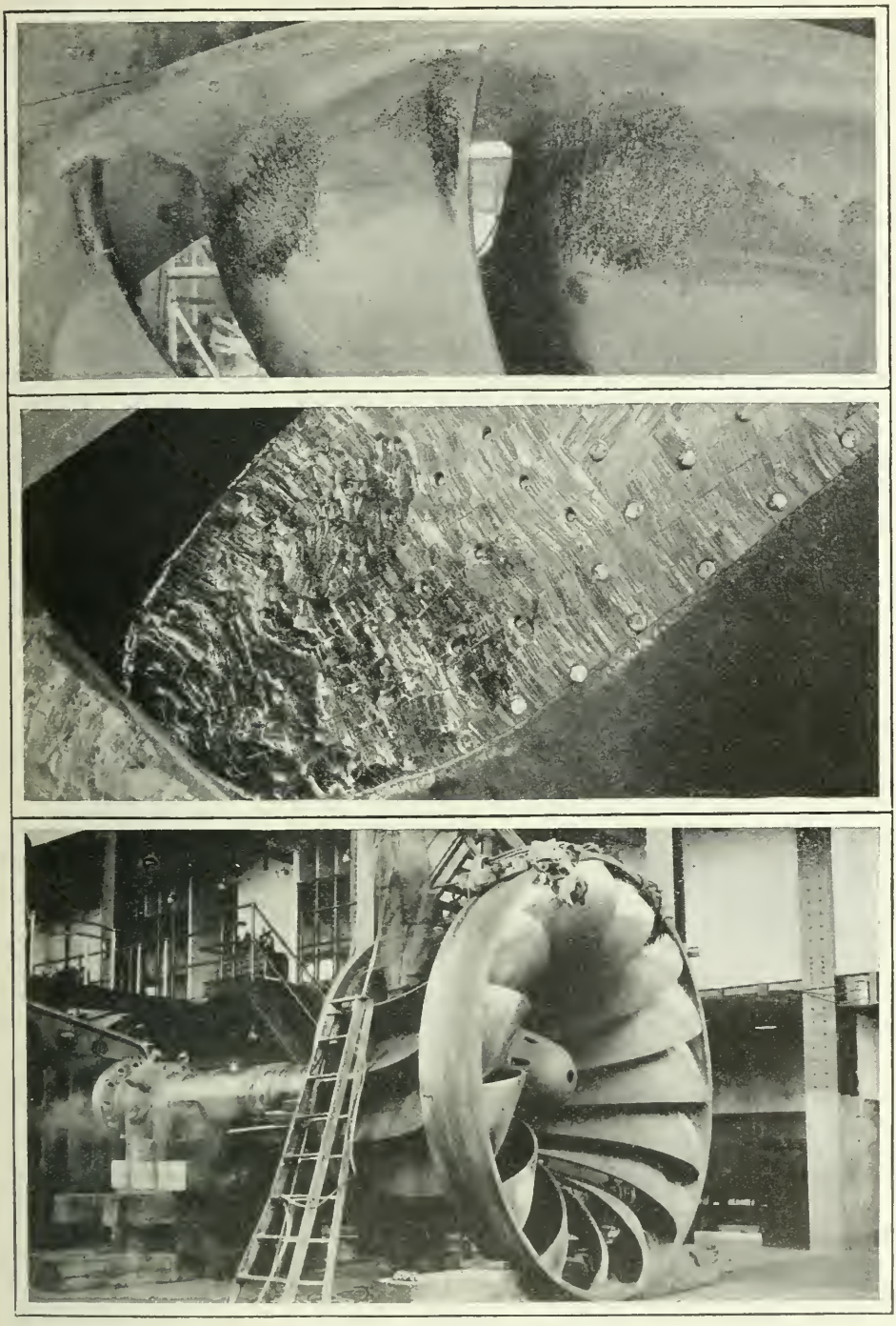
At the request of the municipality of Arnprior, plans and estimates of cost for the reconstruction of the dam on the Madawaska river were made. The extreme floods in the spring of 1928 caused considerable damage to this structure, which served to maintain a ponded section of the river, acting as a collecting basin for the municipal pumping plant. In accordance with the request, estimates covered the cost of a dam to protect the waterworks intake and the additional cost to make power development available.

Ottawa River

The various schemes of development for the Chats falls and Carillon sites have been investigated.

St. Lawrence River

In the office, investigations have continued on the development of the St. Lawrence river. New pertinent data have been collected, and estimates have been revised and studied in connection therewith.



PITTING OF TURBINE RUNNERS

A—Pitted surface on two vanes of Nipigon runner after four years of service. All vanes similarly affected.
B—Pitted area of one vane cleaned and partially studded preparatory to welding.
C—Welding of pitted runner completed, and welded areas ground to smooth surface.

Pitting of Turbine Runners

In common with all other large users of hydraulic turbines, the Commission has experienced a certain amount of trouble from pitting of turbine runners. Widely diverging opinions are held as the causes of pitting, included among which are excessive draft heads, faults in design, and use of higher specific speeds than formerly. Whatever the cause or causes, pitting is experienced to a greater or less extent in about one wheel in four, and to such a degree that means must be taken to correct it in about once case in ten. Careful attention has been given to this matter wherever it is found, and the effect of the present trend of turbine and plant design has been carefully watched to protect the Commission's plants as far as possible from future trouble.

Efficiency tests on badly pitted runners, that had been tested also when new, showed a reduction in efficiency that was surprisingly small when one considered the advanced degree to which the pitting had extended. There is, however, a possibility of the runner eventually being weakened to a dangerous degree, or that its repair may not be practicable. Welding has therefore been resorted to in a number of instances. The condition of an eroded runner bucket and process of repair is illustrated in the accompanying views.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION
(STATION SECTION)

NIAGARA SYSTEM

Generating Stations on the Niagara River

No new construction work was undertaken at the generating stations apart from minor changes and additions to improve operating conditions. A new automatic elevator was purchased and installed in the Queenston generating station.

Transformer and Distributing Stations

Niagara District—Metering equipment was installed at the Growers Cold Storage and Ice Company metering station.

Hamilton and Dundas District—A 13,200-volt transfer bus and switching equipment for an additional feeder were installed at Hamilton transformer station.

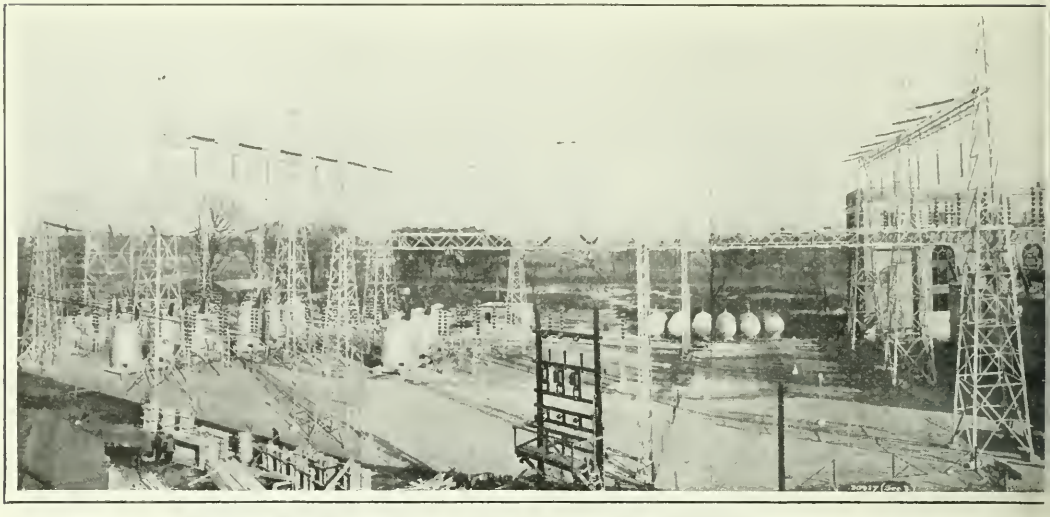
At Waterdown distributing station the 300-kv-a. transformer bank was replaced by a bank of three 250-kv-a., single-phase units and the metering equipment was improved.

Toronto District—At Toronto-Bridgman transformer station a steel structure with switching equipment was erected for two 110,000-volt circuits from the new Toronto-Leaside transformer station.

Toronto-Leaside Transformer Station.

The Toronto-Leaside transformer station was placed in service on October 1, 1928, when power was supplied from the Gatineau Power Company's generating station at Paugan falls on the Gatineau river over the Commission's 220,000-volt transmission line.

The initial installation comprises two 45,000-kv-a. transformer banks with one spare unit, and switching equipment for one incoming 220,000-volt circuit and two outgoing 110,000-volt circuits. The latter tie into the Niagara system at Toronto-Bridgman transformer station. A 13,200-volt building is nearly completed, which will house the switching equipment for feeding power to the Toronto Hydro-Electric System. Outdoor 13,200-volt switching apparatus is being installed to supply municipalities adjoining Toronto.



GATINEAU POWER SUPPLY—

Left—Incoming 220,000-volt line; switching structures and switches; 220,000-volt ring bus structures; service building; transformer banks Nos. 1 and 2.

The transformers are outdoor type, water-cooled, have three windings of 15,000-kv-a. capacity each and are equipped with under-load voltage control to vary the voltage 7½ per cent above or below normal on the medium-voltage side. They are star-connected on the high- and medium-voltage side for 220,000 and 110,000 volts respectively, while the low-voltage is 13,200 delta-connected. The high-voltage winding has graded insulation with the neutral solidly grounded.

A service building with a 75-ton, electrically-operated crane is available for assembling the transformers. A track runway extends from this building to the transformer foundations and the units may be moved in and out by means of a transfer truck.

Beneath the transformers is a tunnel in which are placed the water and oil piping, control cables, and the transformer temperature indicators, one for each winding and the oil.

The 220,000-volt and 110,000-volt steel structures supporting the disconnecting -switches and busses are situated on opposite sides of the 13,200-volt building which in turn is directly behind the transformer banks.

The control for the entire station is centrally located behind the service building in a control room 35 feet by 45 feet. The operation of circuit-breakers and disconnecting-switches is done by telephone keys mounted on bench boards. The meters and voltage-ratio control are mounted on panels back of the bench boards.

The capacity of this station when completed will be four 45,000-kv-a. banks. Provision is made, however, for increasing the capacity to eight 45,000-kv-a. banks if required.

Two 25,000-kv-a. vertical outdoor synchronous condensers are on order for installation in the Fall of 1929.

LEASIDE TRANSFORMER STATION

Right—13,200-volt switch building; 110,000-volt switching structure and switches; outgoing 110,000-volt line; cooling pond.

A bank of three 250-kv-a. transformers was installed at Aurora distributing station. Switching equipment was also installed for a 13,200-volt line and 4,000-volt feeder and changes were made in the metering equipment. A second bank of three 300-kv-a. transformers, an additional 4,000-volt feeder and metering equipment were installed at York Mills distributing station.

Guelph District—Switching and metering equipment for a 13,200-volt line to feed Provincial Paper Mills distributing station was installed at Georgetown distributing station and a bank of three 150-kv-a. transformers was installed at the former station.

Preston District—Emergency connections were installed between the 13,200-volt bus and the 110,000-volt lines so that the spare 2,500-kv-a. transformer may be connected to the busses.

Stratford District—One bank of three 1,250-kv-a. transformers and the spare unit were replaced by 2,500-kv-a. units. The latter were units re-built from similar transformers to those removed. The capacity of the 110,000-volt oil breakers in the line was also increased, the transformer truck reinforced, a larger oil filter-press installed and a galvanized iron storehouse erected.

New switching equipment was installed at Clinton municipal station and the three 75-kv-a. transformer units at Mitchell municipal station were replaced by three 150-kv-a. units. Improvements were also made to the buildings and grounds of the latter station.

St. Marys District—A bank of three 150-kv-a. transformers was installed in St. Marys transformer station to feed St. Marys rural power load at 8,000 volts.

Woodstock District—Switching and metering equipment was installed at Beachville distributing station for a rural feeder. The 50-kv-a, three-phase transformer at Embro distributing station was replaced by a bank of three 75-kv-a. units.

St. Thomas District—The 150-kv-a. three-phase transformer at St. Thomas rural distributing station was replaced by a 300-kv-a. unit. Changes were also made in the metering equipment.

Brant District—An outdoor bank of three 500-kv-a. transformers was installed at Simcoe municipal station. This station will now carry the load of the Norfolk distributing station which has been partially dismantled and the 300-kv-a. transformer placed in storage at St. Thomas transformer station.

Cooksville District—The three 300-kv-a. and three 500-kv-a. transformers originally located inside Brampton municipal station have been changed to outdoor type and installed outside.

Kent District—The transformer capacity at Blenheim distributing station was increased by replacing the three 150-kv-a. transformers with three 250-kv-a. units. The switching equipment was also replaced by equipment of larger capacity. A new pole-type station known as Rondeau distributing station, was installed, consisting of a bank of three 75-kv-a. transformers with the necessary switching equipment. Equipment for three 4,000-volt feeders was installed at Thamesville distributing station.

GEORGIAN BAY SYSTEM

Severn Division

At the C.P.R. Port McNicoll distributing station alterations were made and the necessary switching equipment was purchased and installed so that the 1,200-kv-a. steam turbine driven generator may be paralleled with the system.

Two new 22,000-volt outdoor, single-phase stations, known as Innisfil distributing station and Buckskin distributing station, were installed during the year. The former has two 100-kv-a. transformers and the latter one 25-kv-a. unit.

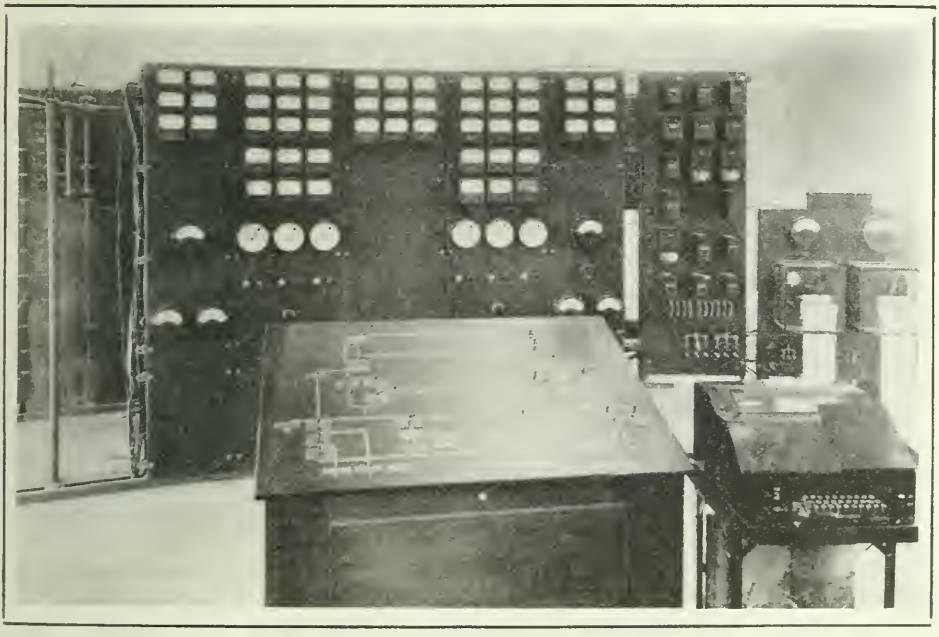
Engineering assistance was given the Midland municipality in the purchase and installation of equipment for a new 22,000-volt station to supply the Aberdeen Elevator Company. Three 200-kv-a. transformers were purchased for this installation.

The necessary switching equipment was purchased and installed to replace the obsolete equipment on the municipal feeders at Penetang distributing station. A 90-kv-a. static condenser was purchased and installed for the municipality in the Elmvale distributing station.

Eugenia Division

A voltage regulator was installed for the municipality of Paisley on its feeder in Chesley distributing station. An indicating demand meter was installed in Kilsyth distributing station.

LEASIDE TRANSFORMER STATION
Control and service buildings



LEASIDE TRANSFORMER STATION
Control board and meter panel

Three 40-kv-a transformers and switching equipment were installed at Mount Forest frequency-changer station so that the machine may be started from the 60-cycle system.

The three 100-kv-a. transformers at Orangeville distributing station were replaced by a bank of three 150-kv-a. units.

Muskoka Division

Work is underway for the erection of a generating station at Trethewey falls, which will be remote controlled from South Falls generating station. A 2,000-kv-a. generator and other equipment has already been purchased and it is expected that the station will be in service next Summer.

A pole-type station known as Beaumaris distributing station was erected near Bracebridge to supply the Beaumaris district with power.

ST. LAWRENCE SYSTEM

A second 300-kv-a. three-phase transformer was installed at Chesterville distributing station and the three 50-kv-a. single-phase transformers at Winchester distributing station have been replaced by a 300-kv-a. three-phase unit. Both these stations, together with Williamsburg distributing station, have been changed over from 25,400 volts to 44,000 volts and the Morrisburg transformer station where the voltage was stepped down from 44,000 volts to 25,400 volts has been dismantled.

The 300-kv-a. transformer at Prescott distributing station was replaced by a 750-kv-a. unit.

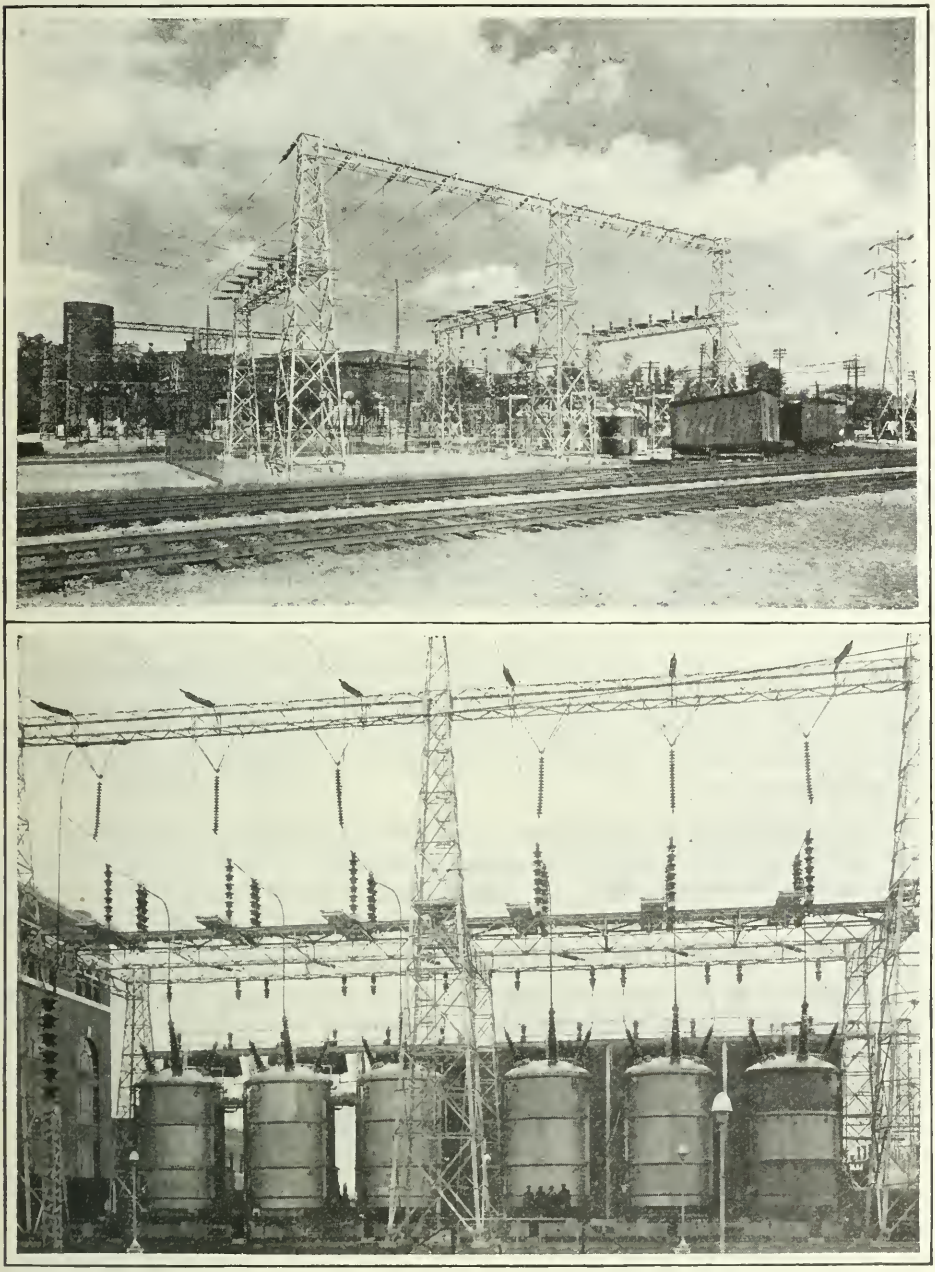
CENTRAL ONTARIO AND TRENT SYSTEM

Generating Stations

At Heely Falls generating station additional telephone equipment was installed.

Transformer and Distributing Stations

In order to meet the increasing load demand throughout the system, a new station was erected at Belleville with one 750-kv-a. transformer to supply Corbyville at 6,600 volts and one 750-kv-a. transformer to supply the northern section of Belleville at 2,400 volts; a 100-kv-a. transformer was transferred from Brighton distributing station and installed at Colborne distributing station; the spare 750-kv-a. transformer at Kingston distributing station was permanently installed there; a 3,000-kv-a. self-cooled transformer was purchased for Oshawa and installed in a new station; also a 3,000-kv-a. water-cooled transformer was purchased and installed at Oshawa distributing station, replacing a 750-kv-a. unit; a municipal station was built at Whitby and a 750-kv-a. transformer was purchased and installed.



GATINEAU POWER SUPPLY

A—Bridgeman and Davenport transformer stations, from south, showing incoming line from Leaside transformer station.

B—Leaside transformer station—Transformer banks Nos. 1 and 2.

Another neutral ground on the 44,000-volt circuits was made at Auburn transformer station. The relay and switching equipment at Auburn switching station was improved. Two 50,000-volt potential transformers were installed at Belleville switching station, replacing two 40,000-volt units transferred to Port Hope switching station. These changes were made to augment the relaying of the system. New equipment was also purchased and installed for a second 44,000-volt circuit at Oshawa distributing station. Metering equipment was installed at the Lakefield Engineering and Construction Company's metering station.

Improvements were made to the telephone protective equipment at a large number of stations on the system.

NIPISSING SYSTEM

Work is underway for the erection of a generating station at Elliott Chute on the South river near Powassan. An 1,800-kv-a. generator has already been ordered, which will supply additional power to the Nipissing system.

EASTERN ONTARIO TRANSMISSION LINES

In order to receive the first block of 60-cycle power from the Gatineau Power Company a 110,000-volt outdoor transformer station was constructed at Smiths Falls to step the voltage down to 44,000-volts and tie into the Central Ontario system and St. Lawrence system over two circuits to Kingston and Brockville respectively.

Four 5,000-kv-a. single-phase, self-cooled transformers comprising one bank and spare unit were purchased and installed. These are three-winding transformers 110,000/44,000/4,160-volts with under-load voltage control on the 44,000-volt side. The equipment at the station also includes switching for the 110,000-volt incoming circuit and two 44,000-volt outgoing circuits.

A 44,000-volt switching station was erected at Kingston to tie in these transmission lines to the Central Ontario system.

SECTION VI

TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS

TRANSMISSION SYSTEMS

During the past year the Transmission Department of the Commission's organization has been exceptionally busy. The chief construction work has been in connection with the 220,000-volt transmission line bringing power from the Gatineau river to the Niagara system at Toronto, and with the transmission lines designed to convey Gatineau river power to the eastern systems of the Commission, namely, the St. Lawrence, Rideau, Ottawa and Central Ontario and Trent systems.

Elsewhere, additions to steel-tower and wood-pole lines have been completed, and studies involving design and economics have been made in preparation for new construction.

Further details of the work of the Transmission department are given below. In connection with the Rideau, Thunder Bay and Nipissing systems, only a small amount of line work was necessary and this does not call for detailed description.

Tabulations of the Commission's lines showing the mileage constructed, the sizes of conductors and other similar statistics will be found in Appendix II of the Report.

NIAGARA SYSTEM

20,000-volt Line

On October 1, the Hydro-Electric Power Commission inaugurated a further expansion by placing in operation a new 220,000-volt transmission line between Paugan Falls and Toronto.

Actual construction was started in July, 1927, and the completed line was successfully tested on September 23, 1928. It was officially placed in service by Premier Ferguson, at a suitable ceremony, on October 1, 1928. Details of design and route were outlined in the Annual Report for 1927. Consult also map at end of Report.

110,000-volt Lines

The only addition to the 110,000-volt lines in the Niagara system was between the new Leaside transformer station and Bridgeman transformer station. This line was erected on steel towers and has two circuits of 605,000 circular mil, steel-reinforced aluminum conductor.

Other Lines

Between the Ontario Power transformer station and the Niagara River crossing, on the 60,000-volt line, pin-type insulators were replaced by suspension-type insulators and the clearance between conductors was increased.

Between Brant transformer station and Brantford and from Rondeau junction to Rondeau distribution station, new 26,400-volt lines were built. The distances are 7 and 7.17 miles respectively.

At Brantford municipal station and Brant transformer station the 26,400-volt lines were rearranged in order to facilitate switching and to relieve congestion.

From Woodstock transformer station 6.34 miles, and from Georgetown distribution station 1.42 miles, of single circuit 13,200-volt lines have been constructed to supply new customers. From the Ontario Power transformer station to Slater junction it was necessary to build 1.33 miles of single-circuit, 12,000-volt line due to the increased demands on municipal stations at Niagara Falls.

Between the Humber river and York transformer station the telephone line has been dismantled and rebuilt on "Hydro" right-of-way.

GEORGIAN BAY SYSTEM

Muskoka Division

Between South Falls generating station and Trethewey Falls generating station, 2.31 miles of 6,600-volt line have been built to be used as a tie line.

ST. LAWRENCE SYSTEM

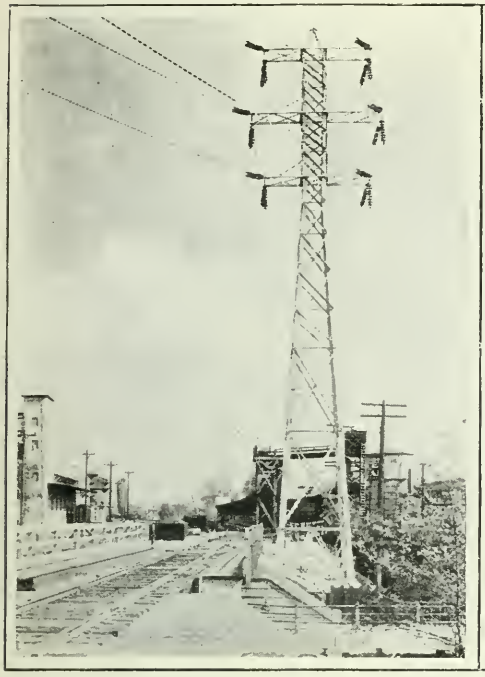
Line construction in this system has been confined to changing the 26,400-volt line between Morrisburg and Chesterville to 44,000-volt operation. In the line to Prescott, from Morrisburg, air-break switches have been installed at Eugene Phillips Company junction.

CENTRAL ONTARIO AND TRENT SYSTEM

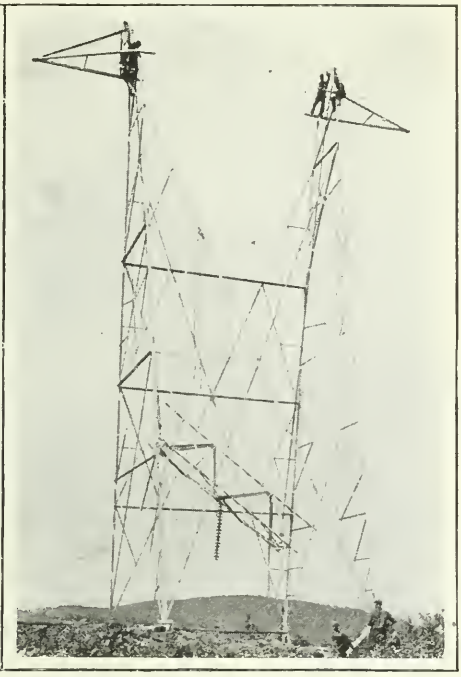
Between Newcombe junction, which is near Trenton, and the city of Oshawa, approximately 60 miles of 44,000-volt, single-circuit, wood-pole line has been constructed. The spacing on this line is so arranged that it may be reinsulated and operated at 110,000 volts.

The new Belleville transformer station has been connected to the Corbyville, 6,600-volt feeder by means of a line crossing the Moira river.

Between Belleville and Kingston additions to telephone circuits are being made.

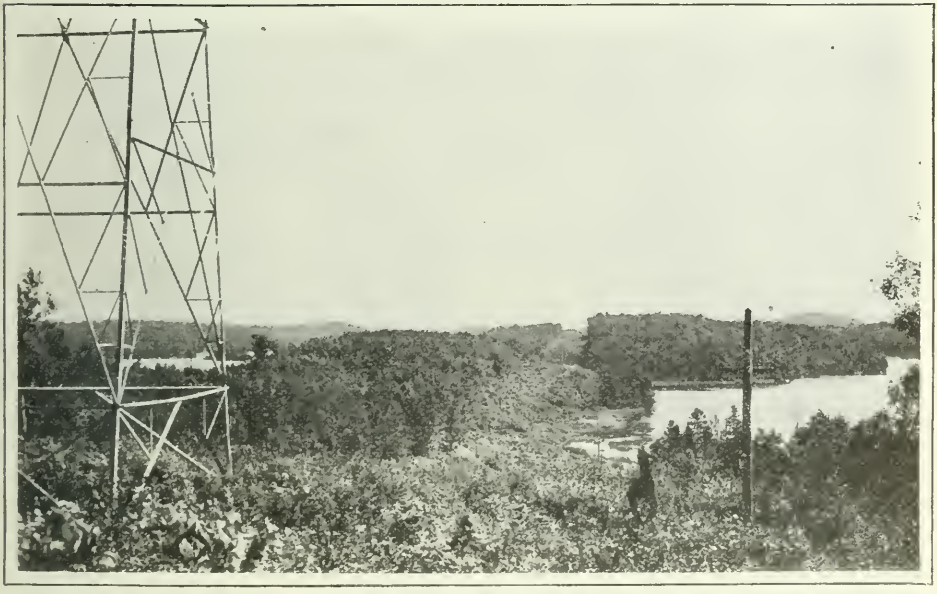


Tie line Leaside to Bridgeman Avenue, east from Poplar Plains Road



Completing standard tower on 220,000-volt transmission line

GATINEAU POWER SUPPLY



GATINEAU POWER SUPPLY

220,000-volt transmission line traversing rough lake country

EASTERN ONTARIO HIGH-VOLTAGE TRANSMISSION LINES

In eastern Ontario a new 110,000-volt, 60-cycle transmission network is being constructed to supply the St. Lawrence, the Rideau, the Ottawa, and the Central Ontario and Trent systems from power plants on the Gatineau river. Wood-pole and steel-tower lines aggregating 117 miles in length have been constructed and are being placed in service during the present year. Consult transmission line map at end of the Report.

DISTRIBUTION AND RURAL SYSTEMS

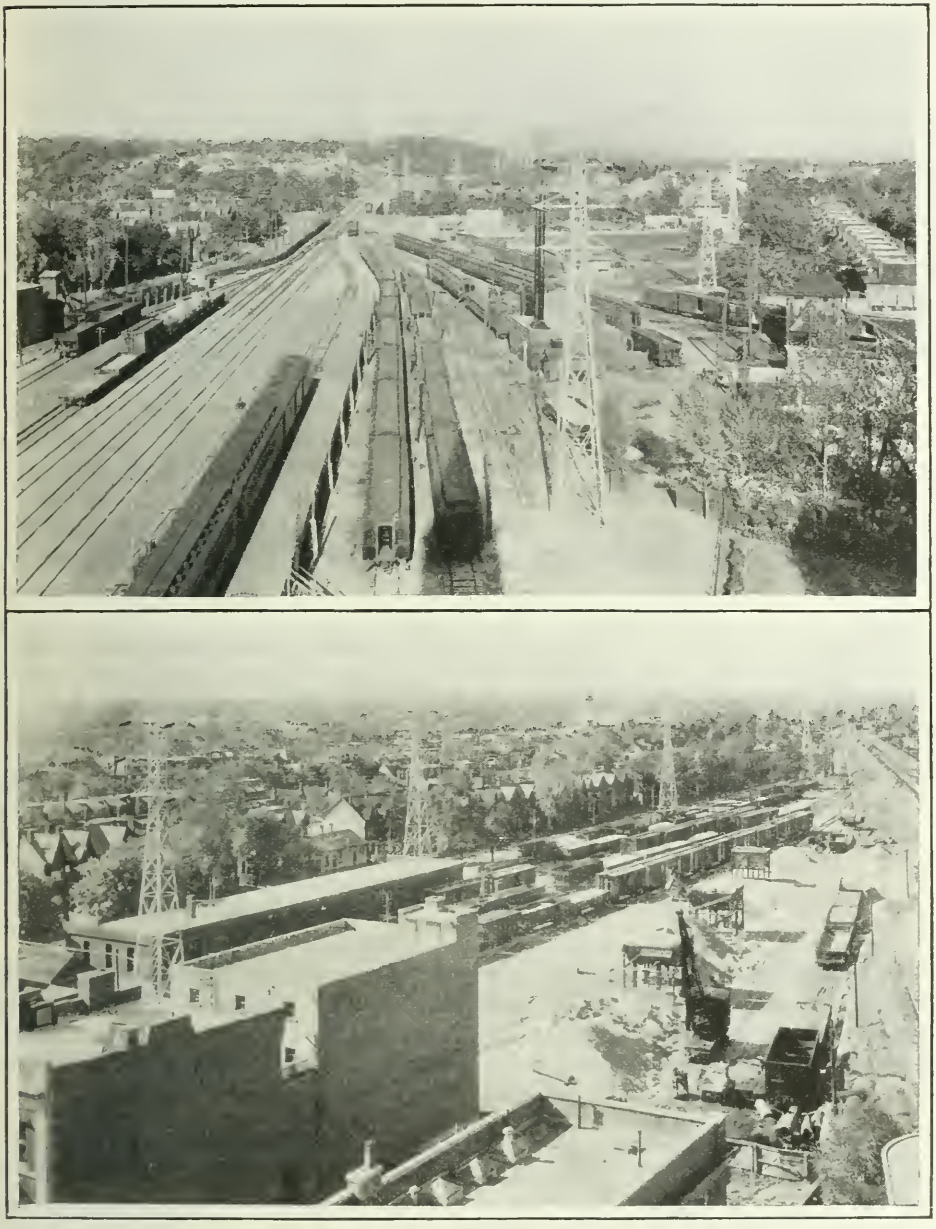
The properties covered under this heading include certain low-voltage lines supplying power to incorporated municipalities, and complete distributing systems in the rural districts. The municipal distributing plants in the Central Ontario district are referred to under Section III, "Municipal Work."

In addition to the routine engineering work required for new construction, a continuous study is carried on in an effort to provide more suitable materials and equipment, improved designs and increased economy in the construction of distributing systems. Particular attention has been paid during the year to the resistance of ground connections; low resistance ground connections are desirable for the protection of equipment and to safeguard persons in contact with equipment.

Due to the existence of numerous telephone lines on the highways, there has been occasionally some conflict with the telephone companies in the projection of the rural lines. Several conferences have been held with various companies and with the officials of the telephone associations and troubles from this cause have been reduced to a minimum.

The tables appearing in Appendix III record the work completed during the year, which may be summarized as follows:

Distribution feeder lines built	26.47 miles
Rural power district primary lines built	929 "
Metering stations erected	16 "
Distributing stations erected	2 "
Municipal systems built or extended	9 "



GATINEAU POWER SUPPLY

Tie line between Leaside transformer station and Bridgeman Avenue transformer station

A—Looking east from North Toronto station, C.P.R.

B—Looking west from North Toronto station, C.P.R.

SECTION VII

THE LABORATORIES

As anticipated in the report for last year, this department has been extremely busy during 1928. The construction of the 220,000-volt line from the Ottawa river to Toronto was responsible for most of the additional work imposed upon the Laboratories. In the reports of the various sections detailed reference is made to this work, the main features of which have been; steel inspection for the transmission towers; inspection and tests of transformers and other station equipment; investigations dealing with the features of line construction and with the electrical characteristics of the line; studies of voltage rises on the "dead" line during periods of lightning disturbances; and tests on the completed line under normal voltage and under short circuit and ground conditions to obtain information regarding the efficacy of relay protection and inductive effects in neighbouring communication circuits.

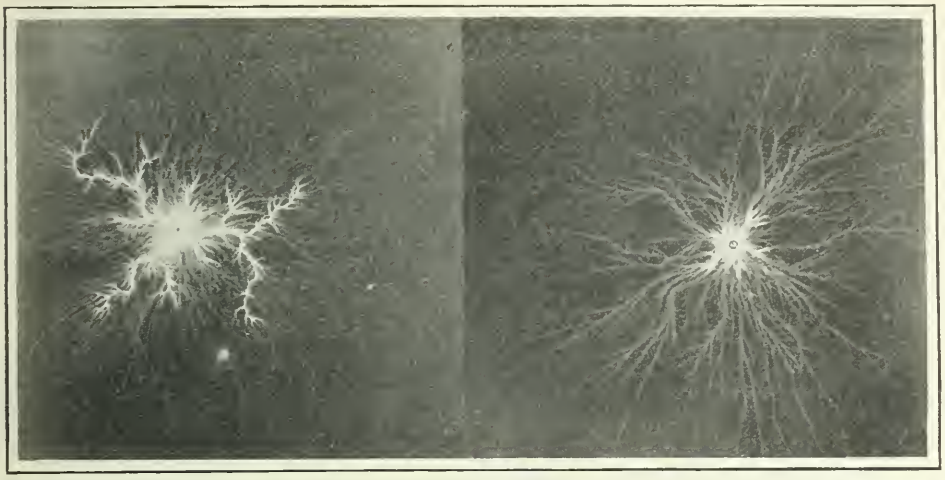
The co-operative work in standardization which the department has carried on for some years and which is described in previous reports, has been continued.

High Tension and General Electrical Laboratory

The routine work of this section has been carried on in a similar manner to that of previous years. The work inside the Laboratories has not altered appreciably but considerably more inspection and witness testing in the factories of the manufacturers has been done. Much of the latter has also involved some original investigation on the properties of materials and their use.

A special study has been made with the aid of klydonographs of the surges on the new 220,000-volt line due to lightning and the manner of dissipation of the energy of such surges. This study was facilitated by the fact that a section of line was available for testing before power was actually turned on, hence there were no switching surges to confuse the results. The results so far all tend to justify the principles of design adopted in this line.

Co-operation with the staff of the University of Toronto in researches respecting the problem of resuscitation was continued for the greater part of the year.



Klydonograph records of voltages induced in a 220,000-volt power line from lightning striking the overhead ground. These records were taken at towers 1.1 miles apart at the same time

Attention to the problem of developing a satisfactory acoustic shock absorber has resulted in some progress. Many of the Commission's telephone lines are carried on poles that also carry power wires and are subject to extreme disturbances in case of trouble on the power line and the object of the shock absorber is to protect operators as far as possible from any injury which might result from such abnormal conditions. Other problems occupying the attention of the staff have included: electrolysis of underground conductors and its mitigation; field testing of insulators; cable testing by alternating current and high-voltage direct current and fault location; methods of communication by radio, guided carrier wave and audio frequency.

Meter and Standards Laboratory

This section of the Laboratories is devoted mainly to electric meters and the maintenance of such equipment as may be necessary to check such instruments as are in daily use by the engineers. Standard resistances, standard cells, Leeds and Northrup potentiometers and Weston laboratory standard voltmeters, ammeters and wattmeters with auxiliary apparatus, provide the necessary reference units.

Watthour meters are rebuilt and repaired ready for testing by the inspectors of the Department of Revenue. Special resistances have been assembled for checking meggers and megs. A new scheme for checking the ratio and phase-angle of potential transformers has been devised and the necessary equipment is now being constructed. Further use of the oscillograph has been made in checking the electrical characteristics of apparatus.

Our instrument repair shop has been quite busy throughout the year constructing special apparatus as well as carrying on considerable repair work. This facility increases the flexibility of the equipment now available for testing.

Illumination Laboratory

Lamp Testing

The testing of "Hydro" lamps as required by the specifications under which they are made forms the major part of the work of this section of the Laboratories. The tests include examination and inspection for defects in manufacture or material, and measurement of the rating by an inspector stationed at the factory, and the life testing at the Laboratory of representative groups that have been selected by the inspector from batches of lamps that were satisfactory as determined by the inspection and tests conducted at the factory. This work is of a routine nature and is continued from year to year along the same general lines.

By means of this service the Laboratory is enabled to detect promptly any feature of manufacture which might prove detrimental to service and the Commission is kept fully informed regarding the quality of the lamps that it supplies to its customers through the local municipal utilities.

The number of lamps purchased during the past year is greater than that of any previous year.

A comparatively small number of lamps was tested for outside parties during the year.

Lighting Service

There has been an encouraging increase in the number of requests for information on lighting problems. These have included both relighting old premises and lighting new buildings. In most cases complete plans and specifications have been submitted.

Most of these requests have come from a very few municipalities which indicates that throughout the "Hydro" system there is a great deal of service that the Illumination Laboratory can render if the local managers would utilize the facilities at their disposal. No direct charge is made for this service to "Hydro" users and the Laboratory can be of valuable assistance in this connection.

Automobile Headlight Tests

The Illumination Laboratory is represented on the Motor Vehicle Lighting Committee of the Illuminating Engineering Society and has thus been able to render valuable service to the Department of Public Highways.

The optical requirements of automobile headlamps are well defined, based upon knowledge resulting from a vast amount of testing and observation, and it is possible to produce headlamps to give any required distribution of light. There have been no new developments along this line during the past year.

The advent of the depressible beam has, however, called for consideration and during the past year the specifications for tests have been revised so as to include the depressed as well as the main beam. The new specifications required a complete re-design of the testing apparatus. The new tests are much more extensive than those previously applied and furnish much more detailed information regarding the characteristics of the beams than did the old.

A large number of headlights and headlight accessories were examined during the year. These were submitted by inventors and, with one exception,

were unsatisfactory, due to lack of knowledge of the requirements of the specifications and of the optical laws involved.

A number of reflecting signals were observed under practical conditions to determine whether or not they would prove acceptable as substitute for lamps on slow-moving vehicles as provides for in the Act requiring all vehicles to display lights or approved signals at night.

Engineering Materials Laboratory

This section has been very busy throughout the entire year, so busy in fact, that little special research work has been possible, and, therefore, no new major investigations have been undertaken. However, investigations previously started have been continued.

Inspection

The new Toronto-Gatineau transmission line and the related structures have required an unusual amount of structural inspection. Some 16,000,000 pounds of steel were inspected, and since the average weight of the individual pieces making up the structures was small, the number that had to be examined and handled was close to 250,000, a large undertaking in itself.

Concrete Research

The experimental work on the study of the economics of concrete mixtures has been completed, and the results compiled. It now remains to study these results in various ways, and to prepare a final report on the investigation. This will be done during the coming year.

The study of the durability of concrete is being actively continued. During the past year some fifty typical concrete structures have been examined. About one-half of these belonged to other organizations as it was felt desirable to confirm the observations on the Commission's own structures by parallel observations on those built by others, and to compare experiences. The concrete structures examined included power houses, dams, canals, docks, breakwaters, and roads of various ages up to thirty years, some in good condition, and some not. Much has been learned concerning the weathering of concrete in service, and it is felt that the information thus gained will be valuable in the construction and maintenance of the concrete structures of the Commission.

These field surveys have been supplemented in certain cases by laboratory investigations of particular phenomena, and this work has devolved largely on the Chemical Laboratory. Information has been obtained regarding the character and cause of the deposits that are found occasionally on concrete surfaces. The changes that occur in both the concrete and water when the latter seeps through concrete are being studied. Another problem under investigation is the possibility of chemical corrosion and deterioration taking place where certain natural soft waters are in contact with concrete, such as commonly occurs in parts of Ontario. Information on each of these points will be of distinct value in the preservation and maintenance of concrete works.

Waterproofing Materials

A related problem also being investigated by the Chemical Laboratory is the usefulness of the so-called preservative waterproofing treatments for the surfaces of stone, brick, and concrete. Sixteen different materials representative of all the principal types have been under test for nearly a year, and while it is too soon to draw conclusions as to the value of this method of preserving brick, stone or concrete, it is evident that at least several of the materials tested are of practically negligible value for this purpose.

Quality of Queenston Concrete

During the year tests were made on some of the concrete placed in the power house at Queenston in 1922. The results were most gratifying and indicate very satisfactory concrete in this structure. Concrete which when placed had an average strength of 1,500 lbs. per square inch at 28 days was found to have a compressive strength of 3,300 lbs. per square inch, and concrete which when placed had an average strength of 2,500 lbs. per square inch at 28 days was found to have a compressive strength of 6,160 lbs. per square inch, after six years of service.

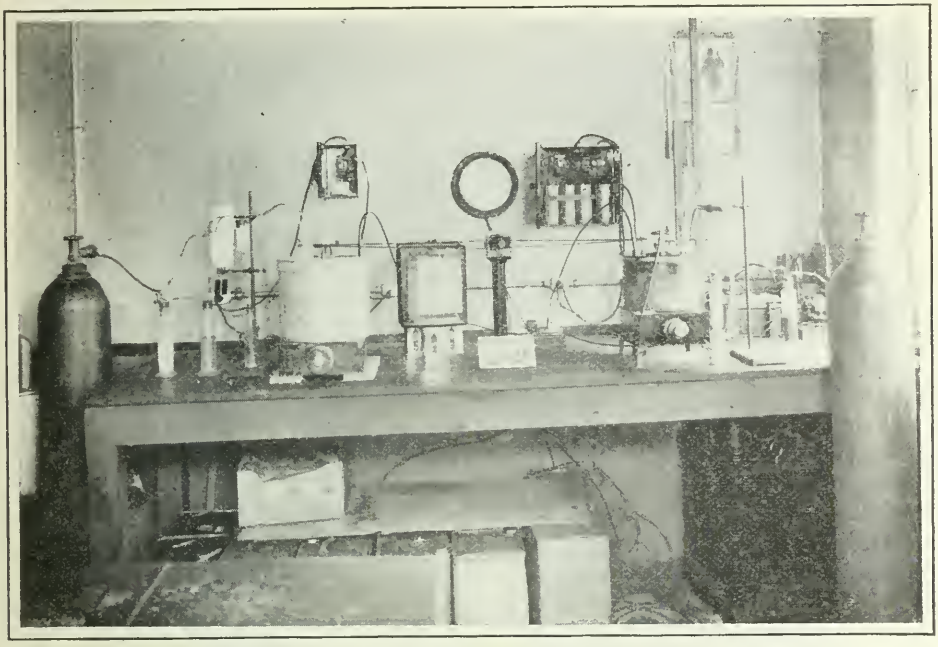
Chemical Laboratory

Reference has been made under "Engineering Materials Laboratory" to work done by the Chemical Laboratory. Besides these investigations and the usual routine work, this Laboratory has been carrying on some very interesting studies of insulating oils and paints.

Insulating Oils

Last year mention was made of a contemplated investigation on insulating oil, to be made in co-operation with the American Society for Testing Materials. Part of the proposed tests have been completed during the past year, and some interesting results have been obtained. In previous investigations of insulating oils, the sludging of oils brought about by the continued application of heat, as would occur in the operation of a transformer, have been studied. In the tests now in hand the combined effect of heat and electric stress is being investigated. The tests appear to indicate that electric stress has considerable influence on the formation of sludge in certain types of oils, and that there may be a relationship between the acidity of an oil and its tendency to sludge, and between the acidity and the type of sludge formed. It is doubtful if it will ever be possible to obtain an oil that will not sludge under certain conditions of service, but from the results of the tests completed it seems probable that methods can be developed whereby those oils that form the most objectionable types of sludge can be avoided.

As part of the same general study of insulating oils, investigations have been made of the possible deleterious effect on the oils, of various substances used in the manufacture of transformers. It has been found that some of these substances will promote the sludging of an oil, and it has been possible by co-operating with the transformer manufacturers to eliminate the worst of these materials.



CHEMICAL LABORATORY
Equipment for making life tests on insulating oils

Paint

The laboratory examination of paint and paint materials has been continued, and during the past year particular attention has been given to the behaviour of paints under different service conditions. Selected structures have been painted with different paints, and the performance of these paints compared with the results obtained in the exposure tests made at the laboratory. The results of these field tests are largely confirming previous laboratory tests, and give increased confidence in the accuracy of the latter.

Photographic Branch

The work of this section has continued along the same general lines as in the past, which includes miscellaneous photographic work, such as finishing of exposures sent in by different Departments, making copies of slides, and enlargements. Progress photographs have been taken periodically during the erection of the Leaside station and of the 220,000-volt line from the Ottawa river to Toronto.

Several trips were also made by the photographers to cover the rural applications of power and rural methods of distribution.

The equipment of the section has been enlarged by the addition of a continuous blueprinting machine of sufficient capacity to take care of all of the work of the Commission, and this blueprinting work is now being done by this section.

Approvals Laboratory

With the issue of the Canadian Electrical Code in October, 1927, and its subsequent adoption as standard in the provinces of Quebec, British Columbia, Nova Scotia and Saskatchewan, as well as in Ontario, the field of acceptance of the reports and listings of the Approvals Laboratory has been somewhat extended. To quote from the Code—

"Section I—Definitions of Special Terms:

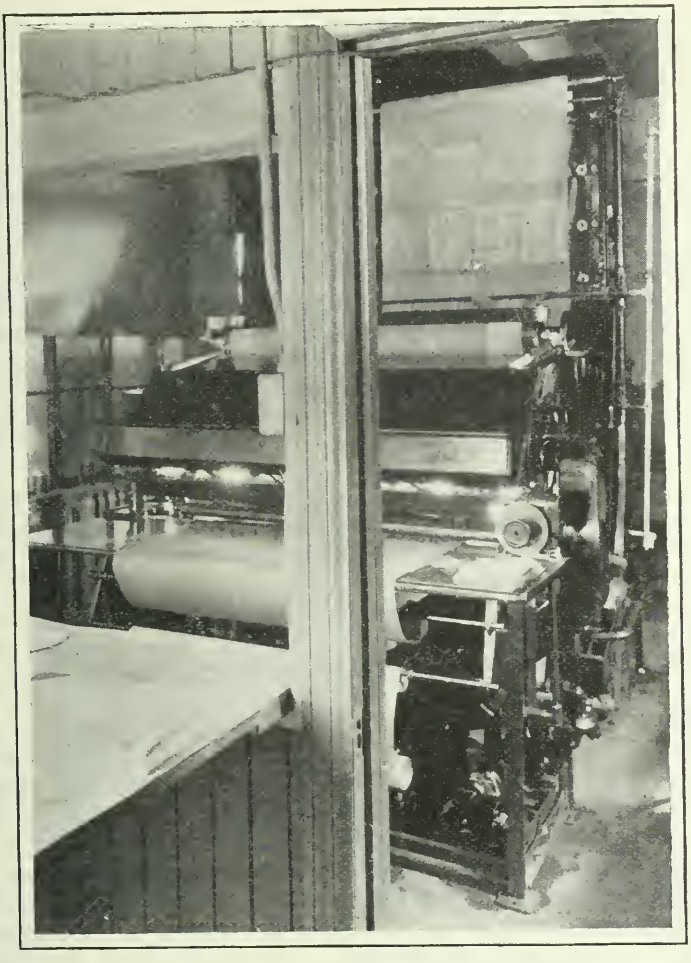
"*Approved*: When used with reference to any particular electrical equipment, means that such equipment has been submitted for examination and test to Underwriters' Laboratories of Chicago, or the Laboratory of the Hydro-Electric Power Commission of Ontario, or a recognized Canadian government laboratory, and that a formal written report thereon has been obtained, to the effect that such equipment is suitable for sale and use. When used with reference to any type of wiring, form of construction or method of installation, it means that it is acceptable to the Inspection Department, and that written notification to that effect has been given." Thus, wherever this Code is adopted, the inspection department enforcing the Code naturally becomes an ally of the laboratory staff in its efforts to promote the design and construction of electrical equipment which shall be safe to use throughout the country. Moreover the service of the laboratory is thus being extended to manufacturers in other provinces who have not previously subscribed to any approval service. This accounts to some extent for the increased activities of the laboratory as shown in the following statistics of the year's operations.

The increase in the number of applications for approval test and report is approximately the same as for the preceding annual period, about sixteen per cent, a total of 316, having been received for the eleven months ending September 30, 1928. Of these applications, 29 per cent referred to heating appliances, 24 per cent to motor-operated appliances, 19 per cent to lighting devices, 8 per cent to radio appliances, 10 per cent to wiring devices and 10 per cent to switches and miscellaneous fittings. Applications for special report or temporary approval to the number of 35 were received while the number of applications for listing of equipment approved by Underwriters' Laboratories increased from 110 to 150 for the eleven months period or an increase of about 50 per cent for the yearly period.

Approval reports completed to September 30 numbered 164 and 213 white card summaries were printed. Listings on green cards to the number of 172 were issued. The card record at the above date showed 791 white and 971 green cards.

Approval specifications for fractional horsepower motors and for pipe straps were issued by the Commission, and drafts prepared and considered by a committee on portable cooking appliances and on flexible tubing fasteners. Preliminary work has also been done on a specification for radio power-operated appliances. The specification for panelboards is in process of revision and preliminary work has commenced on revision of a number of others.

A revised edition of the Rules and Regulations respecting electrical equipment was issued under date of January, 1928. A number of changes appear in the wording of the definitions and rules, although the sense is not materially altered. An additional group "0" ($15.00) has been added to the schedule of approval fees and the schedule now provides generally for smaller fees than



PHOTOGRAPHIC LABORATORY
Continuous blue printing machine recently installed

appeared in the preceding schedule. Label service has been extended to enclosed branch-circuit cutouts and a sliding scale of prices of labels for electric signs has been adopted. Schedules for limited label service for electric signs and for temporary approval appear in this edition for the first time.

With such a steady growth in the work submitted to the laboratory as that noted in this and preceding reports it has been evident for sometime that additional space and equipment would be required. Plans are now under way for an increase of approximately 50 per cent in space and in testing equipment. During the year two more engineers and two extra clerks have been added to the staff. Two inspectors are now employed on label service and re-examination work. They are also required to follow up reports of sales of standard devices. It has been necessary to lay police court information for breach of the approval regulations in only three cases during the period covered by this report. A conviction was registered in each case. Many similar situations have been adjusted by a warning to the offending party.

ELECTRICAL INSPECTION DEPARTMENT

ANNUAL REPORT, 1928

Except as to volume of business, the work of the Electrical Inspection Department varies little from year to year.

The building industry has been exceptionally active for the past twelve months, particularly in the larger centres of the Province, where the erection of many large office buildings, hotels, industrial plants, apartment houses, residences, garages, service stations, warehouses, grain elevators, pulp and paper mills, and many other buildings, represents a much larger building construction programme, with consequent increase of electrical installation work, which in value far exceeds that of previous years.

The work in the rural districts is steadily increasing. Many electrical installations on farms and in villages are completed and approved and are ready for service connections before the building of the secondary distribution systems are started. In this way there is no delay in supplying service, as each installation is connected as the construction work proceeds. Additional comforts and conveniences are continually being added to those already enjoyed and made possible by the extension of power lines in the rural districts.

Amongst the latest conveniences which are rapidly being taken advantage of in the rural districts are fuel burners (oil and coal) and electric refrigeration. The Commission records show that within the past year a surprisingly large number of fuel burners and refrigerators have been installed in all parts of the Province, more particularly refrigerators. Several of the large ice cream manufacturers supply their customers with refrigerators for the purpose of keeping their ice cream at an even temperature at all times. These refrigerators are owned and maintained by the ice cream manufacturers and are supplied to their customers on a small yearly rental basis. During the past year one ice cream manufacturer has supplied and installed over 400 of these refrigerators in all parts of the Province where electric service is available.

Public Buildings

Considerable attention has been given, by this Department, to the condition of the electrical wiring and apparatus used and installed in public buildings.

Mention was made, last year, of a general inspection which was made of theatres and places of amusement, after which all substandard features were removed. Commencing in the early spring of this year, a general inspection was made of all churches in the Province. In a great number of instances it was found that, through wear and tear, and alterations and additions which had been made by unqualified persons, the electrical wiring and equipment was in need of a thorough overhauling. Up to the present time the Department has been successful in having over 80 per cent. of these condemned installations brought up to a reasonable standard and in having all life and fire hazard entirely eliminated. In many cases these buildings have been completely re-wired.

The Canadian Electrical Code, Part 1, which was published by the Canadian Engineering Standards Association in 1927, was adopted by the Hydro-Electric Power Commission as the eighth edition of its rules and regulations and became effective on May 1 of this year. The Canadian Electrical Code supersedes the Rules and Regulations of the Hydro-Electric Power Commission, which, for many years, governed electrical installation work in the Province of Ontario.

The Canadian Electrical Code has also been adopted by the Provinces of British Columbia, Saskatchewan, Quebec and Nova Scotia, and it is expected that several other Provinces will follow suit in 1929, or as soon as legislation can be enacted. When this has been done, there will be one standard code of rules and regulations governing electrical installations throughout the Dominion of Canada.

A summary of the year's operations, as compared with previous fiscal periods, is shown below:—

Year	Permits issued	Inspections made	Approximate cost of re-wiring
1920	87,399	160,990	$557,033
1921	84,352	160,873	584,150
1922	91,932	182,522	340,000
1923	90,000	180,000	320,000
1924	90,497	176,108	480,000
1925	98,419	173,418	280,000
1926	92,725	174,979	250,000
1927	89,425	169,098	412,000
1928	.....	.....	555,000

During the year the Department was obliged to prosecute thirty-four companies or persons for various violations of the Rules and Regulations. Thirty-two convictions were registered and fines ranging from $10.00 to $50.00 were imposed. One offender received a sentence of ten days in jail.

Fires and Accidents

Four fires were reported to have been caused by defective electrical equipment.

Two persons were electrocuted and a third died from burns from clothing which became ignited from a flash caused by a short circuit.

SECTION VIII

ELECTRIC RAILWAYS

ESSEX DISTRICT RAILWAYS

Way and Structures

In addition to the regular maintenance work required on the railway system, extensions were constructed in Ford City, Windsor and Sandwich, and reconstruction work was performed on Elm avenue and Sandwich street in Windsor, and on London street in Windsor and Sandwich.

In Ford City, the Seminole route was extended easterly along Tecumseh road from the terminal at George street to Norman road. This extension, which is single-track, is approximately 3,000 feet in length and construction is of the open type. Two passing sidings were also constructed on this route to provide accommodation for the increased service necessary.

In Windsor and Sandwich, the construction of the College avenue extension, which was deferred from last year, was proceeded with and will be completed by December 1st. This extension leaves the existing Wellington street line at College avenue and runs westerly for a distance of 2,600 feet in Windsor, and a further distance of 7,600 feet in Sandwich, via College avenue, Lena street and Matchette road to Prince road. That portion of the extension in Windsor is double-track permanent construction, and the portion in Sandwich is single-track open construction with passing siding. The construction of this extension involved the crossing at grade of the Michigan Central railway spur near Wellington avenue, and the overcrossing of the Michigan Central railway main line to the Windsor tunnel, the grade crossing necessitating the installation of an interlocking plant, and the main line crossing being effected by means of the bridge constructed in 1927 jointly by the city of Windsor and the Commission.

In Windsor, the single-track on Elm avenue and on Sandwich street, between Elm avenue and the Canadian Pacific railway bridge, was reconstructed and a wye installed at the intersection of these two streets. The construction on Elm avenue is of the permanent type with concrete pavement, and on Sandwich street consists of 80-pound rail with wooden ties on stone ballast and macadam pavement.

On London street in Windsor and Sandwich, the double-track was reconstructed for a distance of approximately 3,000 feet from a point near the Huron line road easterly. This track is now of the permanent paved type of construction, in place of the former type consisting of wooden ties on stone ballast, with macadam pavement.

ESSEX DISTRICT RAILWAYS

a. London Street, Sandwich, east from Patricia Avenue
b. College Avenue, Windsor, east from Campbell Avenue
c. College Avenue, Windsor, east from Lena Street

Block signals of the Nachod type have been installed on the Tecumseh division throughout, and the installation of this type of signal on the Amherstburg division is nearing completion. These installations will permit the inauguration of faster service with the maximum of safety.

Tubular steel poles for street lighting and railway overhead construction were erected on Sandwich street in Sandwich, and arrangements made whereby the cost was borne jointly by the municipality and the railway.

The extension of the Parent avenue line on Tecumseh road from Windsor city limits to Walker road has been authorized, and it is expected that the work will be completed and cars in operation by the latter part of December. The total track mileage, including passing tracks, at the close of the year 1928, will be 62.

Equipment

One of the older types of single-truck cars was rebuilt and equipped for a rail grinding car to take care of rail corrugation on the various divisions. It is proving very satisfactory. An overhead line repair car has also been purchased and should be in operation at an early date.

Operation

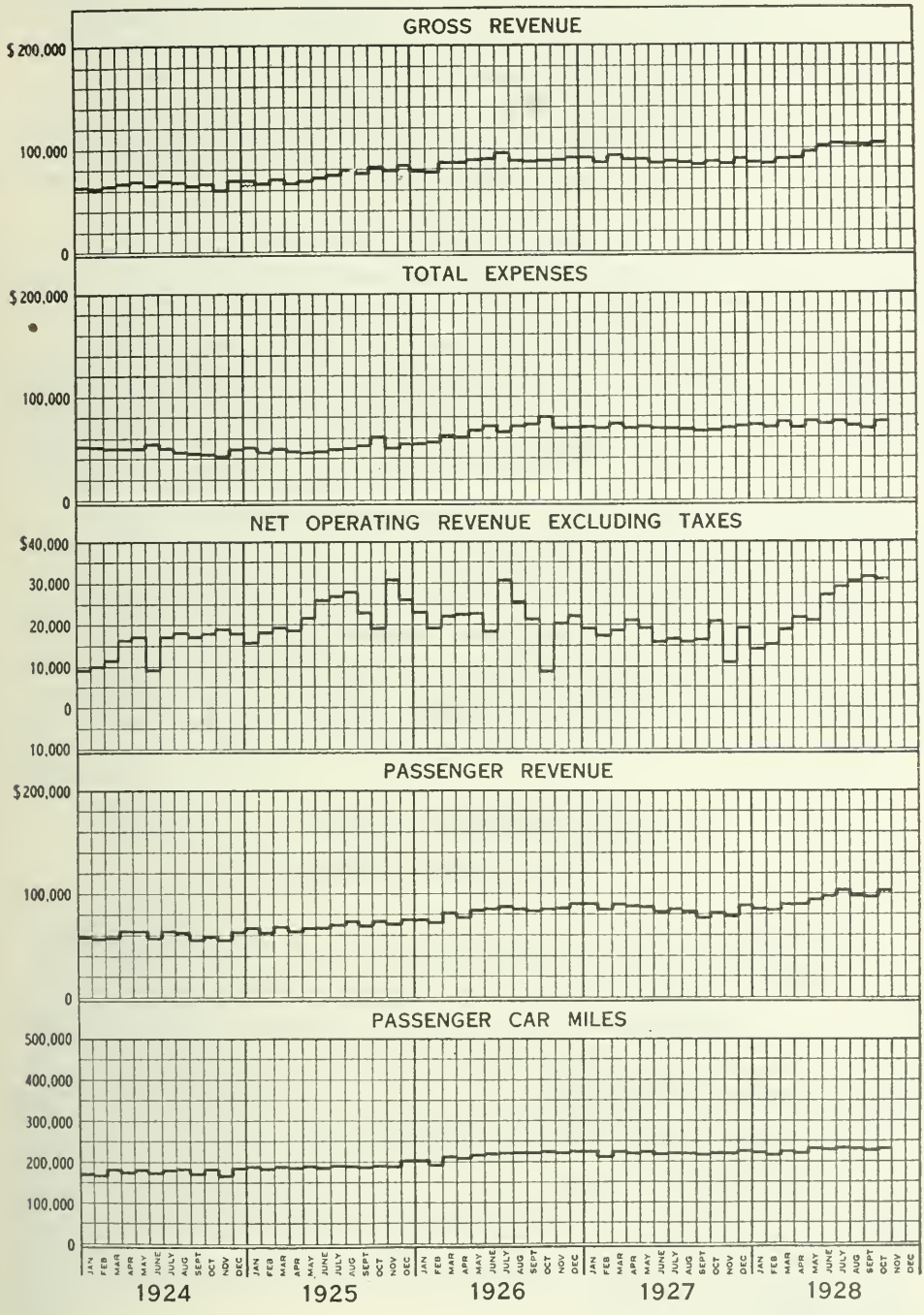
While the gross revenue for the year 1928 amounted to $1,158,710, as compared with $1,069,631 for 1927, an increase of $89,079, the net results show an increase from the estimates as shown in the budget for 1928.

The net operating revenue for the year 1928 was $274,377, as compared with a net in 1927 of $229,574, being an increase of $44,803. The interest and taxes for the year 1928 amounted to $260,272, as compared with $249,554 for the year 1927, an increase in fixed charges of $10,728.

On April 16, 1928, an increase in fares was inaugurated on the city car lines in Windsor, the cash fare was increased from 6 cents to 7 cents, and four tickets for 25 cents were sold in place of ten for 50 cents. Night fares were reduced to 10 cents cash. On interurban lines, an increase of 1 cent was made. For the seven months beginning April 1, the increased fare was estimated to produce a passenger revenue of $696,021; the actual results for the seven months ending October 31, 1928, resulted in a passenger revenue of $689,394. This compares with $580,917 for the last seven months of 1927, an increase of $108,477. Revenue passengers carried for the last seven months of 1928 were 771,173 in excess of the same period in 1927. This would indicate an increase of $140,315. That this increase has not resulted, is due to the fact that of the increase in passengers carried, 200,000 were bus passengers whose rate has not changed, and on city car lines where the passengers increased 375,000, full advantage of the increase has not resulted because a large percentage of the former cash passengers now buy tickets. Previous to the increase in rates, about 50 per cent of the city passengers paid cash fares. Since the fare increase cash fare passengers have dropped to 30 per cent.

During the year 1928, industrial conditiors in the Border Cities improved to a remarkable extent, the number of employees increasing over the number for 1927 and even 1926, which was the previous peak year. The automotive industry has been particularly active and further improvement is expected as a result of extensions now under way.

ESSEX DISTRICT RAILWAYS—OPERATING STATISTICS



The net result of the year's operations shows a surplus of $14,095, after paying interest and taxes, as compared with a deficit of $19,980 in 1927.

During the year, additional bus service was operated to take care of outlying districts and resulted in an increase in bus passengers carried of 300,000. The gross revenue for bus operation for the year was $137,059, and cost of operation $152,441, leaving a deficit of $15,382.

Considerable reduction of bus service will be made very shortly as a result of the completion of the College avenue line, and the rehabilitation of the Windsor, Essex and Lake Shore railway, which will reduce operating expenses considerably.

The results for the year 1928 show an increase in passenger revenue over 1927 of $96,346, but a decrease in freight revenue of $4,788 for the year. Gross revenue increased $89,080.

The outlook for the coming year is very favorable. The construction of the Ambassador bridge between Sandwich and Detroit is proceeding rapidly, and it is expected the bridge will be opened July 1, 1929. Work on the tunnel is well under way. The Chrysler Corporation have let the contract for a large addition to their Walkerville plant, to which an extension of the railway will be made.

The financial statements respecting the railway are given in section IX of this report (consult general index). The attached chart will give a fair indication of the growth of the railway for the past five years.

The mileage run by the various types of cars and buses during the year is as follows: single-truck, hand-brake, two-man cars 573 car-miles; trailers 334 car miles; double-truck, air-brake, two-man cars 208,334 car-miles; interurban cars 507,767 car-miles; single-truck, safety cars 580,831 car-miles; double-truck, safety cars 1,235,355 car-miles; express cars 28,152 car-miles; buses 544,432 bus-miles; service cars 11,860 car-miles; total 3,117,538 car- and bus-miles.

ESSEX DISTRICT RAILWAYS

Operating Statistics, 1928

Route-miles:		
City trolley	21.15	
City bus	19.95	
Amherstburg interurban	13.54	
Tecumseh interurban	6.10	
Total route-miles		60.74
Passenger and freight car-miles operated		3,105,778
Passenger and freight car-hours operated		354,599
Passengers carried		19,648,470
Percentage of transfer passengers to revenue passengers		14.06
Passenger cars operated		76
Passenger buses operated		14
Passengers carried per route-mile		323,484
Passengers carried per car-mile		6.38
Passengers carried per car-hour		56.33
Average mileage per car operated		40,209
Average mileage per bus operated		38,888
Average passengers per car operated		284,796
Average passengers per bus operated		121,879
Freight tonnage carried		19,183

GUELPH DISTRICT RAILWAYS

Way, Structures and Equipment

No capital construction was carried out during the year. The track work and the equipment were well maintained. Major repairs were executed on Neeve street for its entire length, approximately 900 feet, rails being taken up, the ends cut, redrilled and relaid and worn out rails replaced. The bus operating on Eramosa Hill route was completely overhauled.

Operation

The operating revenue for the Guelph District Railways for 1928 was $91,242, as compared with $91,807 in 1927. The total operating expenses for the year 1928 were $75,902, as compared with $76,742 in 1927. Taxes for the year 1928 were $2,699, the same as in 1927. The net operating revenue for the year 1928 amounted to $15,340, as compared with $15,065 in 1927. The interest and debenture payments were $26,434, as compared with $26,594 in 1927. The renewal set aside in the year 1928 was $10,275, as compared with $9,760 in 1927. The deficit for the year 1928 amounted to $24,068, as compared with $23,980 in 1927.

Included in the above deficit is $6,685, which has been set aside each year for amortizing the original value of the railway line previous to the transfer of this line to the Hydro-Electric Power Commission; and also an interest charge of $5,015; renewal account for the year of $10,275 and $2,000 for paving charges that were owing by the railway at the time the Commission took over the operation.

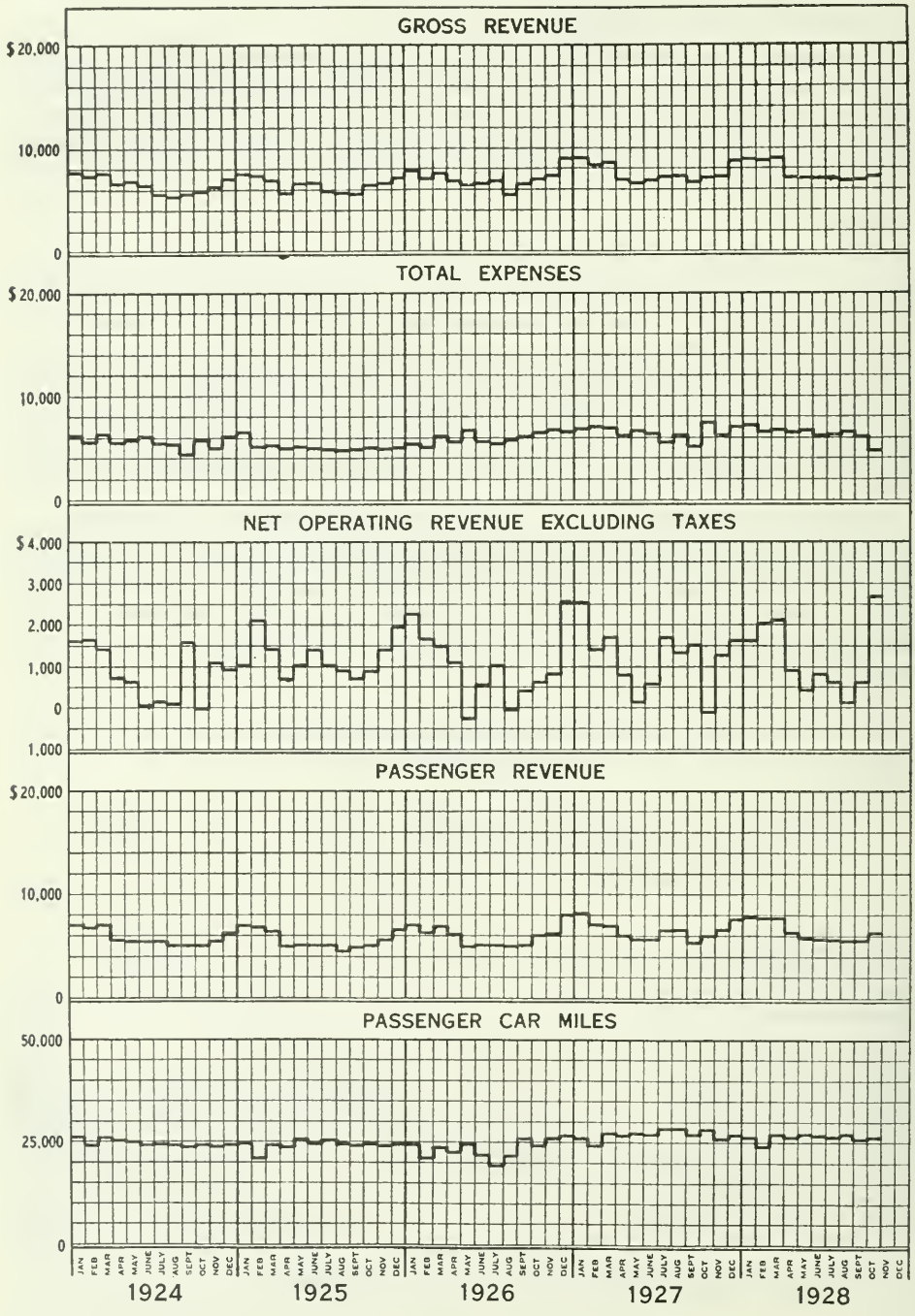
GUELPH DISTRICT RAILWAYS

Operating Statistics, 1928

Route-miles:		
Trolley	8.49	
Bus	1.65	
Total route-miles		10.14
Track miles, trolley		10.05
Passenger cars operated		8
Bus operated		1
Passenger car-miles operated		279,182
Bus-miles operated		39,796
Passenger car-hours operated		34,570
Bus-hours operated		6,240
Revenue passengers carried		1,463,862
Transfer passengers carried		283,960
Free passengers carried		5,004
Total passengers carried		1,752,826
Percentage of transfer passengers to revenue passengers		19.40
Freight motors operated		1
Freight motor-miles operated		9,549
Freight motor-hours operated		2,035
Total passenger, freight and service car-miles operated		328,860

Accidents fourteen, of which eleven were due to automobiles.
Accidents per 100,000 car-miles, 1927, 8.24; 1928, 4.25.

GUELPH DISTRICT RAILWAYS—OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

EXPLANATORY STATEMENT RESPECTING THE ACCOUNTS

The Hydro-Electric Power Commission of Ontario believes that a satisfactory understanding of the manner in which the various operations of the Commission are conducted and financed will contribute greatly to the interest of those concerned either directly or indirectly with the work of the Commission.

The hydro-electrical undertaking of the municipalities, embracing all the operations from the provision of the power down to its final delivery to the ultimate consumer, involves two distinct phases. The providing of the power, either by generation or purchase, its transformation, transmission and delivery in wholesale quantities to the individual municipalities and to large industrial consumers, and the operation of rural power districts, are performed by the municipalities acting *collectively* in groups or "systems" through their agent and trustee, the Hydro-Electric Power Commission of Ontario. The financial statements relating to these collective activities of the municipalities are presented in this section of the Annual Report.

The local operations involved in the retail distribution of the electrical energy to consumers within the limits of the various municipalities are performed by the municipalities *individually*, through municipal utility commissions acting under the general supervision of the Hydro-Electric Power Commission. The financial statements relating to these individual activities of the municipalities, together with data respecting costs of service to consumers, and rates charged, are given in Section X of this report.

It will be of assistance in interpreting the financial tables herein presented if the reader has an understanding of the economic structure and of the general plan of administration of the undertaking. To this end the following brief comments are made.

The "Hydro" electrical undertaking of Ontario is an organization of a large number of partner municipalities, co-ordinated into groups or systems for securing common action with respect to power supplies, through the medium of the Hydro-Electric Power Commission which acts as their trustee. As such, the Commission generates or purchases—as the case may be—electrical energy which it transmits and delivers to the associated municipalities.

The rates at which power is supplied by the Commission to the various municipalities vary with the amounts of power used and the distances from the sources of supply. The entire capital cost of the various power developments

and transmission systems is pro-rated annually to the connected municipalities, according to the relative use made of the lines and equipment. Each municipality is required to assume responsibility for just that portion of capital employed in delivering electrical energy to it, together with such expenses as are incident to that particular portion of the investment. Municipalities are not charged with expenses connected with equipment or plant from which they derive no benefit or are in no way interested. The entire annual direct expenses such as operation, maintenance, interest and administration, together with reserves for sinking fund, depreciation, contingencies and obsolescence, are paid out of revenue collected from the municipal "Hydro" utilities through the medium of power bills rendered by the Commission. Power bills are rendered at an interim estimated rate each month during the year and credit or debit adjustment is made at the end of the year, when the Commission's books are closed and the actual cost determined.* There is no burden on the taxpayers or on non-users and no avenue through which losses, should they occur, could be absorbed, except by a direct charge to the contracting municipalities and thus to the actual consumers for service supplied.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges, as they affect individual municipalities are clearly shown in the tables for the respective systems.

The ultimate source of all revenue—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. The revenue collected from consumers for the service supplied by the municipalities is divided so as to pay for the power provided by the Commission and also for the expense incurred by the local utility in supplying its customers.

The portion of the total revenue remitted to the Hydro-Electric Power Commission—and this remittance appears in the financial statements as the total "Cost of Power"—must be sufficient to pay the municipality's proportion of the expenditures made by the Commission on its behalf, in connection with the particular system to which it belongs, in order to provide for, and transmit to, the municipality the agreed-upon amount of power. Included in this remittance to the Commission for the cost of power are sums for sinking fund, renewals, obsolescence and contingencies. The first mentioned reserve is being provided for the purpose of liquidating the capital liabilities; the latter three are being created to provide funds for the renewal or rebuilding of any section of the various properties when found necessary, and to meet any contingency or obsolescence expense which from time to time may arise.

For the purpose of financial statement, the various systems are treated as separate units and for each of them similar statements and details are given. Many of the pages which follow, therefore, simply repeat for each system data similar to that which is presented for the first system dealt with in each division of the report, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipal "Hydro" utility.

The accounts of the Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The

*The financial year for the Commission accounts ends on October 31. The financial year for the Municipal accounts, however, ends on December 31, and the Municipal accounts are made up to this date, and so recorded in Section X.

accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and are also duly audited. In preparing the various financial reports and statistical tables relating to all "Hydro" enterprises, the greatest care is exercised and all statements are presented in such form that they may be comprehensive and at the same time easily understood.

Tabular Data

The first tabular statement given in Section IX is a general balance sheet exhibiting the assets and liabilities of the undertakings relating to the properties constructed or otherwise acquired and being operated by the Commission as trustee for the municipalities of the various systems. This statement embraces all of the properties under the Commission's direct administration, except those of the Central Ontario and Trent and Nipissing systems which are owned by the Province of Ontario, and whose assets and liabilities are separately submitted on subsequent pages.

The general balance sheet is followed by groups of statements relating in turn to each system of the Commission. These statements, *for each System*, are similar in character and include:—

Operating Account for the year, showing, for the system as a whole, the various items of operating expense and fixed charges entering into the cost of power as defined by the Power Commission Act, and the revenues collected by the Commission from the partner municipalities and other consumers.

Cost of Power table, which shows the apportionment to each municipality or rural power district of the items of cost summarized in the Operating Account, as well as the apportionment of the capital costs listed in the balance sheet and the amount of power taken by each municipality. It should be appreciated that the cost of power given in this table is the *wholesale cost*,—that is, the cost which the Commission receives for the power delivered at the main transformer stations of the local utility or rural power district. The costs of power for the respective municipal electric utilities appear in Statement "B" of Section X as "Power purchased."*

Rural Operating statement, which gives similar information with respect to the *distribution* of power service within the rural power districts operated directly by the Commission.

Credit or Charge account which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service to that municipality. These credits and charges are taken up and given effect to in the municipal accounts of "Hydro" utilities before the operating records of each year are closed.

Reserve for Renewals which shows the provisions made for, the expenditures from, and the balances to the credit of, this fund.

Reserve for Obsolescence and Contingencies which gives similar information with respect to this reserve.

Sinking Fund statement which gives the total of the amounts paid by each municipality and rural power district as part of the cost of power together with its proportionate share of other sinking funds.

Sinking Fund Reserve which summarizes the provisions made with respect to this fund.

Section IX also contains operating accounts of the various electric railways operated by the Commission, financial statements respecting the Central Ontario and Trent and Nipissing systems, to which there is a special introduction; and a summary of the "Appropriations, Advances and Capital Expenditures" made during the year.

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts," refer to the operation of the municipalities' properties within the boundaries of those municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

To illustrate further the foregoing explanatory comments, there is given on the next two pages a statement illustrating the financial operations of a typical Ontario municipal electrical utility, viz., that of the city of St. Thomas.

ST. THOMAS HYDRO UTILITY

OPERATING STATEMENT FOR THE YEAR 1928

REVENUE

Revenue from St. Thomas Hydro customers for year..... $207,804.52

EXPENSES

Representative illustration of expenses incurred by the Hydro-Electric Power Commission on behalf of a municipality in connection with the supplying of its electrical energy. These data really show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its power. See "Cost of Power" statement, page 136, for the city of St. Thomas, as follows:

Cost (proportionate share) of operation and maintenance expense of Niagara generating plants, transformer stations and transmission lines together with administrative expenses.....	$36,477.64
Interest on St. Thomas' proportionate share of capital investment in generating plants, transformer stations and transmission lines.....	56,322.51
Sinking Fund (proportionate share) provided in respect of generating plants, transformer stations and transmission lines.....	12,022.17

Renewal reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	7,181.68	
Obsolescence and contingency reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines—a reserve created to meet any unforeseen contingency or obsolescence expense	20,145.94	
		$132,149.94

Expenses incurred by a municipality through its utility commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

Operation, maintenance and administrative expenses	$41,895.87	
Interest and fixed charges on debenture debt	7,025.00	
Depreciation charge	11,391.00	
		$60,311.87
Total expenses charged against revenue from customers of the St. Thomas system		$192,461.81
Net surplus for the year		$15,342.71

The municipality of St. Thomas situated in the western section of the Niagara system, one hundred and thirty-three miles distant from the source of power, Niagara Falls, Ontario, was connected to the system in April, 1911. This Hydro utility complied with every monetary obligation imposed upon it by the Power Commission Act. With the close of the seventeenth year of operation, this utility's total assets are $645,038.21; liabilities, $60,936.39, and reserves and surplus $584,101.82, as shown in the municipalities' balance sheets, in Section X, Statement "A".

By reference to this municipality's balance sheet, it will be noted that the St. Thomas Hydro utility has created a sinking fund equity amounting to $144,329.22 in the Hydro-Electric Power Commission System.

By reference to Statement "D" in Section X of this report it will be seen that under the low rate schedules prevailing throughout the Province, the rates in force in St. Thomas have resulted in *average costs** to the various classes of service as follows: Domestic service (with an average monthly consumption per consumer of 105 kilowatt-hours) 1.6 cents per kilowatt-hour; commercial service 1.9 cents per kilowatt-hour; power service $18.31 per horsepower per year. The actual *rates in force* are presented in Statement "E" and particulars of street lighting service are given in Statement "C".

*If proper differentiation be made by those undertaking research, between the very different entities of *rates* on the one hand and the derived quantities of *average costs or revenues* on the other, a great deal of confusion and misrepresentation will be avoided. Consult introduction to Statement "D" of Section X.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER

Niagara System:	ASSETS		
Generating plants:			
Queenston-Chippawa development		$75,769,939.51	
Ontario Power development, including water rights		22,072,402.15	
Toronto Power development, including water rights		12,036,648.02	
Transmission lines:			
Right-of-way		7,168,305.27	
Steel-tower and wood-pole lines		17,916,324.42	
Transformer stations		23,854,042.48	
		$158,817,661.85	
Distribution lines:			
Rural power districts	$3,129,989.58		
Rural lines	46,372.18		
		3,176,361.76	
			$161,994,023.61
Thunder Bay System:			
Nipigon generating plants		$11,815,186.47	
Transmission lines		1,706,542.16	
Transformer stations		811,208.60	
			14,332,937.23
Georgian Bay System:			
Generating plants:			
Big Chute development		668,542.90	
Eugenia Falls development		1,154,877.48	
Wasdell development		146,491.86	
Muskoka developments		847,724.45	
Transmission lines		1,951,820.36	
Transformer stations		594,675.61	
		$5,364,132.66	
Distribution lines:			
Rural power districts	$179,399.93		
Rural lines	2,807.43		
		182,207.36	
			5,546,340.02
St. Lawrence System:			
Surveys and engineering re power sites on St. Lawrence river		$734,873.31	
Transmission lines		550,707.26	
Transformer stations		492,670.59	
		$1,778,251.16	
Rural power districts		73,914.77	
			1,852,165.93
Ottawa System:			
Surveys and engineering re power sites on Ottawa river		$111,849.26	
Transmission lines		9,645.08	
Transformers and meters		4,026.32	
		$125,520.66	
Rural power district		75,810.87	
			201,331.53
Rideau System:			
Generating plants		$858,642.18	
Transmission lines		261,765.86	
Transformer stations		68,613.42	
			1,189,021.46
Carried forward			$185,115,819.78

COMMISSION OF ONTARIO

and Liabilities, October 31, 1928

UNDERTAKINGS

To Province of Ontario:	Liabilities		
Cash advances for Niagara and other systems		$145,030,680.86	
Less: Repayment under provisions of Power Commission Acts, 1926 and 1927		7,568,096.45	
			$137,462,584.41
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Four per cent. debentures, due 1957, issued in purchase of Ontario Power Company of Niagara Falls	$8,000,000.00		
Interest accrued thereon	80,000.00		
		$8,080,000.00	
Six per cent. debentures, due 1941, issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls	$3,200,000.00		
Interest accrued thereon	67,856.16		
		3,267,856.16	
Six per cent. debentures, due 1940, issued in purchase of the Toronto Power Company, Limited	$413,200.00		
Interest accrued thereon	10,330.00		
		423,530.00	
Six per cent. debentures, due 1940, issued in purchase of certain electrical power equipment of the Toronto and York Radial Railway	$205,800.00		
Interest accrued thereon	5,145.00		
		210,945 00	
Five per cent. debentures, due 1939, issued for the purpose of retiring the 1924 issue of the Toronto Power Company, Limited	$4,000,000.00		
Interest accrued thereon	75,000.00		
		4,075,000.00	
Four per cent. debentures, due 1958, issued in purchase of distribution lines of Essex County	$200,000.00		
Interest accrued thereon	3,333.34		
		203,333.34	
Four per cent. debentures, due 1958, issued in purchase of distribution lines in vicinity of Thorold	$100,000.00		
Interest accrued thereon	1,666.67		
		101,666.67	
			16,362,331.17
Bonds and debentures stock assumed by the Commission and guaranteed by the Province of Ontario:			
First mortgage 5% gold bonds, due 1943, of the Ontario Power Company of Niagara Falls:			
Amount assumed at date of purchase of Company by Commission, August 1, 1917	$9,834,000.00		
Less: Retired by the Commission	1,468,000.00		
	$8,366,000.00		
Interest accrued thereon	104,575.00		
		$8,470,575.00	
Carried forward		$8,470,575.00	$153,824,915.58

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER-

ASSETS

Brought forward			$185,115,819.78
Eastern Ontario System:			
Transmission lines		$750,824.87	
Transformer stations		144,411.77	
			895,236.64
Bonnechere River Storage System:			
Round Lake dam		$23,072.93	
Golden Lake dam		11,092.81	
			34,165.74
Service Buildings and Equipment:			
Service building and equipment, Toronto		$481,515.13	
Equipment of storehouse and garage, Hamilton		3,666.40	
Pole yard and equipment, Cobourg		22,520.13	
			507,701.66
Office Buildings:			
On University avenue, Toronto		$502,507.00	
On corner Elm street and Centre avenue, Toronto		160,821.95	
			663,328.95
Office Furniture and Equipment:			
At Toronto office		$70,808.25	
At Electrical Inspection offices		7,195.44	
			78,003.69
Automobiles and trucks			18,172.70
Inventories:			
Construction and maintenance tools and equipment		$607,647.73	
Construction material and sundry supplies		452,181.97	
Maintenance material and supplies		496,025.81	
Stationery and office supplies		20,188.49	
			1,576,044.00
Sinking Funds:			
Employed to make repayments to the Province of Ontario under the terms of the Power Commission Act, 1926 and 1927	$7,568,096.45		
Employed in retirement of bonds issued or assumed by the Commission and guaranteed by the Province	4,423,444.91		
	$11,991,541.36		
Invested in securities of the Province of Ontario, which stand:			
(a) Deposited with Provincial Treasurer—par value $366,000.00		$352,869.33	
(b) In the hands of the Commission—par value $550,000.00		546,386.73	
Interest accrued thereon		11,954.18	
			911,210.24
Insurance Funds:			
(a) Invested in securities of the Dominion of Canada—par value $650,000.00		$661,574.70	
(b) Invested in securities of the Province of Ontario—par value $28,000.00		28,990.21	
Interest accrued thereon		622.17	
			691,187.08
Staff Pension Funds:			
(a) Invested in guaranteed mortgage certificates of Canada Trust Company—par value $200,000.00		$200,000.00	
(b) Invested in securities of the Province of Ontario—par value $1,195,000.00		1,179,552.88	
Interest accrued thereon		12,455.64	
			1,392,008.52
Carried forward			$191,882,879.00

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

	LIABILITIES		
Brought forward		$8,470,575.00	$153,824,915.58
First mortgage 5% gold bonds, due 1945, of the Ontario Transmission Company, Limited:			
Amount assumed at date of purchase of Company by Commission, August 1, 1917	$1,772,000.00		
Less: Retired by the Commission	351,000.00		
	$1,421,000.00		
Interest thereon payable November 1, 1928	35,525 00		
		1,456,525 00	
Guaranteed 4½% debenture stock, due 1941, of the Toronto Power Company, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$13,558,917.81		
Less: Retired by the Commission	4,852,850.20		
	$8,706,067.61		
Interest thereon payable November 1, 1928	195,517.35		
		8,901,584.96	
First mortgage 5% gold bonds, due 1933, of the Electrical Development Company of Ontario, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$4,335,000.00		
Less: Retired by the Commission	716,500.00		
	$3,618,500.00		
Interest accrued thereon	30,154.17		
		3,648,654.17	
Other debentures assumed:			22,477,339.13
In respect of purchase of lines at Streetsville:			
Amount assumed at date of purchase	$6,000.00		
Less: Retired by the Commission	3,556.28		
	$2,443.72		
Interest accrued thereon	61.26		
		$2,504.98	
In respect of purchase of original Muskoka Power Development:			
Amount assumed at date of purchase	$50,595.93		
Less: Retired by the Commission	21,580.13		
	$29,015.80		
Interest accrued thereon	1,085.24		
		30,101.04	
In respect of purchase of sundry rural lines:			
Amount assumed at dates of purchase	$46,001.03		
Less: Retired by the Commission	8,054.58		
	$37,946.45		
Interest accrued thereon	610.20		
		38,556.65	
			71,162.67
Carried forward			$176,373,417.38

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER-

ASSETS

Brought forward			$191,882,879.00
Reserve Funds:			
(a) Invested in securities of the Dominion of Canada—par value $2,250,000.00		$2,237,604.74	
(b) Invested in securities of the Province of Ontario—par value $11,085,000.00 ($5,017,500.00 par value of these securities stand deposited temporarily with the Provincial Treasurer and $30,500.00 par value stand deposited with Canada Trust Company.)		11,037,687.14	
(c) Invested in securities of the Commission guaranteed by the Province of Ontario, par value $2,929,205.00		2,886,617.98	
Interest accrued thereon		158,595.83	
			16,320,505.69
Cash:			
In banks		$487,673.44	
In banks to pay bond interest due November 1, 1928, and interest coupons overdue but not presented		273,517.85	
Sinking funds on deposit with trustees for bondholders		532.13	
In hands of employees as advances on account of expenses		91,696.82	
		$853,420.24	
Less: Funds of Hydro Radial railways shown elsewhere in this balance sheet		40,320.27	
			813,099.97
Grants payable by the Province to the Commission in respect of certain rural power districts completed or in course of construction		$15,171.08	
Less: Grants in the hands of the Commission to apply against certain rural power districts in course of construction or extension		4,137.50	
			11,033.58
Accounts Receivable:			
Due by municipalities and sundry customers in respect of construction work, supply sales, etc	$264,820.10		
Less: Reserve for doubtful accounts	3,100.56		
		$261,719.54	
Due by municipalities and sundry customers in respect of power accounts	$2,902,426.87		
Less: Reserve for doubtful accounts	246,994.16		
		2,655,432.71	
Sinking fund and interest accounts owing in respect of rural lines		907.61	
Due by town of Renfrew for water used from Bonnechere Storage system for power purposes		27,441.01	
Claim against Dominion Government in respect of income taxes paid for the thirteen months ending December 31, 1921—which should be recoverable		72,334.46	
			3,017,835.33
Balances due by municipalities in respect of the costs of power supplied to them, as provided to be paid under the Power Commission Act:			
Niagara system		$35,677.78	
Thunder Bay system		1,237.71	
Georgian Bay system		14,784.75	
St. Lawrence system		16,358.68	
			68,058.92
Carried forward			$212,113,412.49

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward		$176,373,417.38
Outstanding share capital of the Electrical Development Company of Ontario, Limited		1,100.00
Accounts payable		467,096.86
Interest coupons due but not presented for payment		42,475.50
Central Ontario System:		
Current account		348,542.62
Insurance Department:		
Outstanding claims and awards	$691,224.96	
Surplus	41,478.56	
		732,703.52
Reserve for Staff Pensions		1,423,542.89
Balances due to municipalities in respect of amounts paid by them to October 31, 1928, in excess of the cost of power supplied to them as provided to be paid under the Power Commission Act:		
Niagara system	$990,179.07	
Thunder Bay system	1,643.41	
Georgian Bay system	113,242.53	
St. Lawrence system	8,522.84	
Rideau system	12,585.76	
Ottawa system	3,240.78	
		1,129,414.39
Reserves for Sinking Fund:		
Niagara system	$11,974,361.22	
Niagara rural lines	12,317.10	
Thunder Bay system	266,775.76	
Georgian Bay system	427,618.34	
Georgian Bay rural lines	470.70	
St. Lawrence system	88,404.13	
Ottawa system	2,930.18	
Rideau system	54,192.52	
Bonnechere storage system	9,060.68	
	$12,836,130.63	
Service buildings	74,276.46	
Office buildings	96,275.71	
		13,006,682.80
Reserves for Renewals:		
Niagara system	$9,744,929.09	
Niagara rural lines	2,595.58	
Thunder Bay system	505,977.91	
Georgian Bay system	770,972.25	
Georgian Bay rural lines	175.09	
St. Lawrence system	208,892.30	
Ottawa system	9,232.13	
Rideau system	118,322.80	
Bonnechere storage system	4,180.88	
	$11,365,278.03	
Service buildings	244,818.55	
Office buildings	83,767.19	
		11,693,863.77
Reserves for Obsolescence and Contingencies:		
Niagara system	$7,254,217.62	
Niagara rural lines	955.65	
Thunder Bay system	181,251.96	
Georgian Bay system	218,453.26	
Georgian Bay rural lines	57.80	
St. Lawrence system	82,208.43	
Ottawa system	2,335.18	
Rideau system	86,345.64	
Bonnechere storage system	533.26	
		7,826,358.80
Balance at credit of interest account		13,339.34
Carried forward		$213,058,537.87

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

Assets			
			POWER UNDER-
Brought forward			$212,113,412.49
Work in Progress:			
Expenditure on account of various systems chargeable upon completion to:			
Capital construction		$23,205.53	
Operating and maintenance expenses		7,454.19	
			30,659.72
Insurance unexpired			33,064.67
Discount on debentures issued by the Commission, less amounts written off:			
On debenture issue of $3,200,000 maturing 1941		$ 98,946.81	
On debenture issue of $4,000,000 maturing 1939		68,364.00	
			167,310.81
Total, Power Undertakings			$212,344,447.69
			RADIAL RAILWAY
Sandwich, Windsor and Amherstburg Railway:			
Road and equipment		$5,241,049.07	
Materials and supplies		98,658.37	
Cash in banks:			
In the general bank account of the Commission at Toronto	$27,541.87		
In branch banks	1,137.36		
Accounts receivable	13,348.45		
		42,027.68	
Insurance and expenses prepaid	$7,060.37		
Valuation and other expenses re purchase of plant assets of the railway and re issue of bonds, less 90% written off	1,779.54		
		8,839.91	
Due by the eleven municipalities which are under contract with the Commission with respect to the operation of the railway, and which municipalities are, under the provisions of sections 9 and 10 of the Hydro-Electric Railway Act, liable to the Commission for the operating deficit of the railway		5,884.96	
			5,396,459.99
Carried forward			$217,740,907.68

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES		
Brought forward		$213,058,537.87
Contingent Liabilities:		
In respect of contracts entered into for power undertakings in course of construction	$2,172,983.59	
Total, Power Undertakings		$213,058,537.87

UNDERTAKINGS

In respect of the Sandwich, Windsor and Amherstburg Railway:			
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Four and one-half per cent. debentures, due 1960, issued in purchase of the railway	$2,039,000.00		
Four and one-half per cent. debentures, due 1960, issued for the purpose of making extensions and betterments	61,000.00		
Six per cent. debentures, due 1961, issued for the purpose of making extensions and betterments	900,000.00		
Five per cent. debentures, due 1943, issued for the purpose of making extensions and betterments	966,205.00		
Five per cent. debentures, due 1945, issued for the purpose of making extensions and betterments	750,000.00		
Five per cent. debentures, due 1945, issued for the purpose of making extensions and betterments	100,000.00		
Five per cent. debentures, due 1946, issued for the purpose of making extensions and betterments	350,000.00		
(Note: Further bonds to the amount of $650,000 stood guaranteed by the Province of Ontario as at October 31, 1928, but such bonds had not been executed or issued by the Commission.)			
	$5,166,205.00		
Interest accrued thereon	52,438.13		
		$5,218,643.13	
Accounts payable and accrued charges	$28,871.53		
Provision for unredeemed tickets	12,000.00		
		40,871.53	
Premiums (less discount) on sale of debentures less portion written off		64,703.05	
Reserve for renewal of road and equipment		72,242.28	
Contingent Liabilities:			5,396,459.99
In respect of contracts entered into for railway undertakings in course of construction	$38,590.18		
Carried forward			$218,454,997.86

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Brought forward			$217,740,907.68
Guelph Radial Railway:			
Road and equipment		$429,406.92	
Materials and supplies		6,142.34	
Cash in banks:			
In the general bank account of the Commission at Toronto	$12,778.40		
In bank at Guelph	468.06		
Accounts receivable	1,091.51		
		14,337.97	
Insurance and expenses prepaid	$1,297.91		
Valuation and other expenses re purchase of plant assets by the Commission, less 80% written off	512.60		
		1,810.51	
Due by the City of Guelph:			
Operating deficit for the year ending October 31, 1928, as per operating account	$24,068.27		
Less: Instalments of principal and interest payable to the city of Guelph, May 1 and November 1, 1928, under the terms of the purchase agreement	11,700.00		
		12,368.27	
			464,066.01
Toronto and York Radial Railway:			
City of Toronto—debentures held as collateral security for the repayment of the Hydro Radial debentures issued in purchase of the Toronto and York Radial Railway —as per agreement covering the transfer (in January, 1927) of the railway to the city of Toronto		$2,375,000.00	
City of Toronto—interest accrued on $2,375,000 debentures issued by the Commission in purchase of the Toronto and York Radial Railway		59,375.00	
			2,434,375.00
Port Credit to St. Catharines Radial Railway:			
Purchase of right-of-way and carrying charges (taxes less rental revenue) down to October 31, 1928		$71,801.55	
Construction materials purchased, less amount realized on sale thereof		117,510.09	
Surveying, engineering, administrative expenses and interest		264,891.78	
			454,203.42
Toronto to Port Credit Radial Railway:			
Purchase of right-of-way and carrying charges (taxes less rental revenue) down to October 31, 1928—less amounts realized on properties sold		$439,548.01	
Surveying, engineering, administrative expenses and interest		320,338.75	
			759,886.76
Total			$221,853,438.87

COMMISSION OF ONTARIO

and Liabilities—Continued

UNDERTAKINGS—Continued

LIABILITIES

Brought forward			$218,454,997.86
In respect of the Guelph Radial Railway:			
City of Guelph—purchase price of the railway payable thereto, in half-yearly instalments, according to purchase agreement	$150,000.00		
Less: Fourteen instalments paid thereon	40,203.15		
		$109,796.85	
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Six per cent. debentures, due 1931, issued for the purpose of making extensions and betterments		276,000.00	
Accounts payable and accrued charges	$2,767.25		
Provision for unredeemed tickets	1,300.00		
		4,067.25	
Premiums on sale of debentures, less portion written off		5,640.29	
Reserve—created by payment of instalments on the purchase price out of the revenue of the road and assessments against the City of Guelph		40,203.15	
Reserve for renewal of road and equipment		28,358.47	
Contingent Liabilities:			
In respect of contracts entered into for railway undertakings in course of construction	$163.50		
			464,066.01
In respect of Toronto and York Radial Railway:			
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Six per cent. debentures, due 1940, issued in purchase of the Metropolitan, Scarboro and Mimico Radial Railway divisions		$2,375,000.00	
Interest accrued thereon		59,375.00	
			2,434,375.00
In respect of the Port Credit to St. Catharines Radial Railway:			
Bank of Montreal—advances (secured by hypothecation of Hydro Radial debentures, being part of an issue of $11,360,363.00 guaranteed by Province of Ontario)		$1,200,000.00	500,000.00
Total			$221,853,438.87

NIAGARA

Operating Account for the

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$378,630.25
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of this system:		
Generation and transmission equipment	$4,249,769.50	
Rural power districts	301,548.45	
		4,551,317.95
Interest on capital investment in:		
Generation and transmission equipment	$7,754,047.12	
Rural power districts	126,905.13	
		7,880,952.25
Provision for renewals of:		
Generation and transmission equipment	$907,659.70	
Rural power districts	107,703.56	
		1,015,363.26
Provision for obsolescence and contingencies in respect of:		
Generation and transmission equipment	$2,695,939.68	
Rural power districts	161,555.34	
		2,857,495.02
Provision for sinking funds for repayment of the cash advances by the province of Ontario to the Commission and for the retirement of the bonds issued by and assumed by the Commission:		
By charges included in the cost of power delivered to municipalities and rural power districts	$1,197,200.42	
By charges against contracts with private companies which purchase power	446,512.70	
By charges included in the cost of distribution of power within rural power districts	28,553.37	
		1,672,266.49
		$18,356,025.22

SYSTEM

Year Ending October 31, 1928

REVENUE FOR PERIOD

Collected from municipalities	$12,869,243.95	
Power sold to private companies	4,978,560.37	
Power supplied at cost to the Hydro Radial Railway (S.W. & A.)	107,188.69	
Collected from customers in rural power districts	1,166,221.80	
		$19,121,214.81
Add:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	$9,846.67	
Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied them in the year	23,895.86	
		33,742.53
		$19,154,957.34
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$741,869.51	
Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto	57,062.61	
		798,932.12
Revenue		$18,356,025.22

$18,356,025.22

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1928	To Oct. 31 1928				Operating, maintenance and administrative expenses	Interest	Renewals
			$ c.		$ c.	$ c.	$ c.	$ c.
Acton	35.00	34.00	153,801.13	548.8	294.27	4,433.61	7,399.40	1,195.81
Agincourt	.....	42.00	32,265.01	101.9	54.64	1,862.31	1,558.22	256.16
Ailsa Craig	.....	50.00	35,125.44	89.6	48.04	1,077.50	1,664.16	346.45
Alvinston	.....	90.00	64,957.58	77.6	41.61	1,923.00	3,056.01	814.92
Amherstburg	44.00	42.00	146,932.85	459.6	246.44	4,949.94	6,978.13	1,211.48
Ancaster twp	.....	30.00	63,936.69	274.9	147.40	2,121.29	3,117.61	407.02
Arkona	80.00	85.00	32,858.25	52.2	27.99	1,052.09	1,561.91	385.00
Aylmer	.....	40.00	122,268.50	410.7	220.22	3,555.64	5,898.96	1,004.85
Ayr	.....	35.00	35,575.50	128.1	68.69	1,098.72	1,718.56	277.18
Baden	.....	34.00	85,954.03	314.6	168.69	2,312.44	4,147.66	655.07
Barton twp	.....	30.00	118,195.78	547.7	293.68	5,570.85	5,789.27	672.60
Beachville	.....	34.00	60,764.91	223.1	119.63	2,115.15	2,892.77	461.32
Belle River	42.00	40.00	27,945.47	92.7	49.71	843.36	1,349.45	225.07
Blenheim	.....	39.00	104,497.41	335.0	179.63	4,314.51	4,876.00	830.93
Blyth	.....	65.00	33,754.00	62.6	33.57	1,078.97	1,591.18	375.23
Bolton	55.00	50.00	40,801.98	99.6	53.41	984.84	1,931.68	409.32
Bothwell	.....	45.00	30,456.60	88.3	47.35	1,282.64	1,435.02	274.34
Brampton	.....	30.00	398,250.29	1,614.7	865.82	16,098.10	19,288.00	2,695.72
Brantford	.....	27.00	2,165,695.29	9,331.8	5,003.81	54,504.55	104,461.65	13,426.71
Brantford twp	.....	27.00	83,511.22	360.1	193.09	2,224.84	4,048.23	517.22
Bridgeport	.....	32.60	23,449.20	96.0	51.48	595.96	1,103.81	142.44
Brigden	.....	88.00	41,923.54	72.2	38.71	1,357.32	1,975.69	477.37
Brussels	58.00	55.00	50,086.74	111.2	59.63	1,426.16	2,377.28	520.85
Burford	50.00	46.00	38,748.17	122.6	65.74	1,040.90	1,876.83	340.27
Burgessville	.....	53.00	16,551.70	47.6	25.52	652.83	798.77	154.52
Caledonia	.....	29.00	61,353.24	248.9	133.46	1,827.48	2,978.74	420.67
Campbellville	.....	70.00	5,112.81	19.4	10.40	811.46	248.84	37.39
Cayuga	58.00	60.00	32,653.45	64.4	34.53	1,109.90	1,552.46	361.44
Chatham	.....	30.00	1,085,700.62	4,303.6	2,307.63	31,609.66	52,659.13	7,415.70
Chippawa	.....	25.00	56,993.10	278.8	149.50	2,171.41	2,801.46	314.07
Clifford	60.00	58.00	23,268.20	43.9	23.54	470.45	1,101.03	258.30
Clinton	39.00	38.00	127,118.74	389.3	208.75	4,237.03	6,050.49	1,097.37
Comber	.....	45.00	51,018.29	140.8	75.50	2,881.22	2,412.45	469.24
Cottam	.....	50.00	17,442.98	46.2	24.77	482.09	840.04	165.07
Courtright	.....	80.00	21,690.67	35.4	18.98	818.03	1,027.31	252.18
Dashwood	.....	55.00	27,370.52	63.7	34.16	691.06	1,313.14	286.07
Delaware	.....	42.00	6,956.33	25.7	13.78	315.22	336.09	52.50
Dorchester	42.00	40.00	19,846.97	72.1	38.66	785.72	956.28	151.38
Drayton	60.00	55.00	39,612.57	79.9	42.84	1,543.53	1,871.65	428.92
Dresden	40.00	42.00	94,298.63	267.7	143.54	4,127.98	4,516.20	864.18

SYSTEM *COST OF POWER*

Commission Act—of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,466.37	1,597.07	17,386.53	14.87	17,371.66	18,753.24	1,381.58	.....
461.34	336.55	4,529.22	2.76	4,526.46	4,279.10	.....	247.36
491.70	367.18	3,995.03	2.43	3,992.60	4,479.91	487.31	.....
731.69	683.19	7,250.42	2.10	7,248.32	6,987.75	.....	260.57
2,270.55	1,512.31	17,168.85	12.45	17,156.40	19,466.02	2,309.62	.....
1,113.25	663.24	7,569.81	7.45	7,562.36	8,247.75	685.39	.....
396.70	345.03	3,768.72	1.41	3,767.31	4,393.52	626.21	.....
1,921.94	1,275.23	13,876.84	11.13	13,865.71	16,428.64	2,562.93	.....
575.24	370.98	4,109.37	3.47	4,105.90	4,483.75	377.85	.....
1,418.08	896.28	9,598.22	8.52	9,589.70	10,695.70	1,106.00	.....
2,079.63	1,224.31	15,630.34	14.84	15,615.50	16,430.00	814.50	.....
1,020.38	631.82	7,241.07	6.04	7,235.03	7,584.81	349.78	.....
445.38	291.49	3,204.46	2.51	3,201.95	3,744.73	542.78	.....
1,605.25	1,057.30	12,863.62	9.08	12,854.54	13,065.63	211.09	.....
417.46	351.26	3,847.67	1.70	3,845.97	4,071.68	225.71	.....
555.57	427.06	4,361.88	2.70	4,359.18	5,074.52	715.34	.....
461.54	317.52	3,818.41	2.39	3,816.02	3,973.86	157.84	.....
6,595.96	4,136.11	49,679.71	43.75	49,635.96	51,723.44	2,087.48	.....
37,202.69	22,275.96	236,875.37	252.82	236,622.55	251,959.74	15,337.19	.....
1,434.70	858.96	9,277.04	9.76	9,267.28	9,721.53	454.25	.....
389.79	233.18	2,516.66	2.60	2,514.06	3,128.75	614.69	.....
538.18	438.51	4,825.78	1.96	4,823.82	6,355.01	1,531.19	.....
661.38	521.69	5,566.99	3.01	5,563.98	6,176.68	612.70	.....
607.83	407.69	4,339.26	3.32	4,335.94	5,722.55	1,386.61	.....
240.21	174.18	2,046.03	1.29	2,044.74	2,524.48	479.74	.....
1,031.89	637.12	7,029.36	6.74	7,022.62	7,216.84	194.22	.....
81.76	53.21	1,243.06	0.53	1,242.53	1,357.38	114.85	.....
425.66	342.15	3,826.14	1.74	3,824.40	3,842.61	18.21	.....
18,378.03	11,295.13	123,665.28	116.60	123,548.68	129,330.55	5,781.87	.....
1,008.07	590.68	7,035.19	7.55	7,027.64	6,970.41	.....	57.23
284.34	242.93	2,380.59	1.19	2,379.40	2,561.65	182.25	.....
1,867.69	1,316.76	14,778.09	10.55	14,767.54	14,421.38	.....	346.16
743.31	528.62	7,110.34	3.81	7,106.53	6,335.59	.....	770.94
251.71	182.41	1,946.09	1.25	1,944.84	2,308.30	363.46	.....
257.66	227.74	2,601.90	0.96	2,600.94	2,831.96	231.02	.....
365.40	288.96	2,978.79	1.73	2,977.06	3,502.54	525.48	.....
114.10	72.42	904.11	0.70	903.41	1,080.10	176.69	.....
323.34	206.04	2,461.42	1.95	2,459.47	2,911.96	452.49	.....
500.96	413.22	4,801.12	2.16	4,798.96	4,464.90	.....	334.06
1,411.37	985.41	12,048.68	7.25	12,041.43	11,145.66	.....	895.77

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1, 1928	To Oct. 31 1928				Operating, maintenance and administrative expenses	Interest	Renewals
			$ c.		$ c.	$ c.	$ c.	$ c.
Drumbo	.....	47.00	19,026.43	55.4	29.71	675.54	912.62	174.69
Dublin	55.00	53.00	22,279.62	57.7	30.94	900.26	1,059.24	214.43
Dundas	.....	25.00	330,338.43	1,508.4	808.82	8,511.90	16,059.48	1,924.96
Dunnville	.....	41.00	173,071.41	581.6	311.86	5,600.15	8,352.35	1,470.56
Dutton	.....	40.00	50,885.22	184.0	98.66	2,162.05	2,456.68	391.59
Elmira	33.00	31.00	257,139.98	959.5	514.49	6,623.40	12,452.36	1,917.91
Elora	36.00	35.00	116,804.13	399.5	214.22	2,985.33	5,635.61	950.79
Embro	.....	60.00	32,249.32	73.8	39.57	966.64	1,509.69	329.00
Erieau	60.00	58.00	21,438.35	46.6	24.99	844.72	1,000.72	218.56
Erie Beach	.....	65.00	5,330.96	9.8	5.25	224.04	248.62	58.36
Essex	40.00	38.00	81,727.00	279.5	149.87	2,252.72	3,946.19	640.41
Etobicoke twp.	.....	30.00	471,634.49	1,910.6	1,024.48	12,270.66	22,976.89	3,168.78
Exeter	.....	42.00	118,774.27	377.2	202.26	3,311.03	5,723.11	1,026.47
Fergus	37.00	35.00	127,562.11	439.1	235.45	3,542.66	6,146.58	1,028.85
Fonthill	.....	35.00	21,775.01	88.1	47.24	1,252.80	1,065.75	155.90
Ford City	34.00	33.00	875,652.39	3,504.4	1,879.10	34,684.61	42,708.60	5,785.90
Forest	55.00	50.00	97,056.93	247.3	132.60	3,424.77	4,640.15	941.63
Galt	.....	27.50	1,418,542.96	6,063.2	3,251.15	36,668.46	68,980.11	9,041.24
Georgetown	.....	36.00	231,157.96	735.0	394.11	6,151.58	10,649.60	1,851.28
Glencoe	.....	60.00	63,800.41	135.7	72.76	2,504.92	3,051.77	684.20
Goderich	43.00	42.00	336,813.66	915.5	490.90	12,244.47	15,972.32	3,150.80
Granton	.....	50.00	23,507.23	61.5	32.98	755.06	1,121.67	229.24
Guelph	.....	27.00	1,636,271.86	7,455.2	3,997.55	48,053.39	79,737.15	9,494.40
Hagersville	.....	31.00	256,465.71	969.4	519.80	6,540.46	12,426.02	1,907.42
Hamilton	.....	25.00	9,951,387.80	46,113.1	24,726.31	231,781.13	486,955.45	56,629.03
Harriston	.....	44.00	85,172.45	252.8	135.55	2,902.05	4,048.03	752.55
Harrow	55.00	45.00	58,997.93	193.1	103.54	1,948.72	2,853.51	481.50
Hensall	53.00	50.00	43,943.38	110.0	58.98	1,252.29	2,101.01	439.43
Hespeler	.....	29.00	247,326.25	1,004.6	538.68	6,322.68	12,014.80	1,683.05
Highgate	46.00	44.00	32,872.67	94.5	50.67	1,371.58	1,574.83	298.82
Humberstone	.....	28.00	65,756.16	283.7	152.12	2,493.44	3,221.69	435.50
Ingersoll	.....	29.00	476,006.31	2,078.1	1,114.30	13,329.44	23,221.93	2,969.85
Jarvis	.....	38.00	48,041.13	143.1	76.73	1,260.32	2,311.99	434.85
Kingsville	44.00	42.00	115,898.13	368.9	197.81	3,779.04	5,581.49	966.29
Kitchener	.....	27.00	3,293,122.30	14,145.6	7,585.04	79,090.10	160,353.92	20,784.98
Lambeth	.....	45.00	27,028.25	84.0	45.04	890.47	1,298.53	236.21
La Salle	.....	40.00	56,632.93	195.0	104.56	1,858.62	2,750.93	440.61
Leamington	42.00	40.00	212,166.78	733.0	393.04	6,624.83	10,269.39	1,646.30
Listowel	.....	37.00	190,884.67	649.2	348.11	6,279.07	9,122.35	1,512.34
London	.....	26.00	5,359,583.34	24,004.7	12,871.57	134,945.13	261,206.21	31,947.37

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
282.05	198.91	2,273.52	1.50	2,272.02	2,604.93	332.91	.....
334.15	231.50	2,770.52	1.56	2,768.96	3,074.01	305.05	.....
5,765.50	3,422.77	36,493.43	40.87	36,452.56	38,256.89	1,804.33	.....
2,465.58	1,804.78	20,005.28	15.76	19,989.52	23,843.85	3,854.33	.....
833.48	530.19	6,472.65	4.99	6,467.66	7,359.23	891.57	.....
4,217.33	2,677.42	28,402.91	26.00	28,376.91	30,051.48	1,674.57	.....
1,837.20	1,218.94	12,842.09	10.82	12,831.27	14,049.91	1,218.64	.....
435.49	332.81	3,613.20	2.00	3,611.20	4,426.50	815.30	.....
276.70	219.36	2,585.05	1.26	2,583.79	2,717.59	133.80	.....
65.83	54.83	656.93	0.27	656.66	633.70	.....	22.96
1,322.63	852.06	9,163.88	7.57	9,156.31	10,716.02	1,559.71	.....
8,020.73	4,905.03	52,366.57	51.76	52,314.81	57,318.25	5,003.44	.....
1,794.14	1,242.52	13,299.53	10.22	13,289.31	15,842.75	2,553.44	.....
1,992.64	1,328.41	14,274.59	11.90	14,262.69	15,539.84	1,277.15	.....
345.46	226.45	3,093.60	2.39	3,091.21	3,082.59	.....	8.62
14,725.55	9,108.53	108,892.29	94.94	108,797.35	116,216.70	7,419.35	.....
1,413.22	1,015.25	11,567.62	6.70	11,560.92	12,584.86	1,023.94	.....
24,475.67	14,737.35	157,153.98	164.27	156,989.71	173,915.83	16,926.12	.....
3,388.64	2,314.24	24,749.45	19.91	24,729.54	26,458.56	1,729.02	.....
842.15	672.28	7,828.08	3.68	7,824.40	8,142.00	317.60	.....
4,667.86	3,496.75	40,023.10	24.80	39,998.30	37,486.04	.....	2,512.26
324.52	246.02	2,709.49	1.67	2,707.82	3,074.87	367.05	.....
28,695.11	16,957.26	186,934.86	201.98	186,732.88	201,291.24	14,558.36	.....
4,200.05	2,670.22	28,263.97	26.26	28,237.71	30,052.69	1,814.98	.....
175,092.81	103,079.81	1,078,264.54	1,249.33	1,077,015.21	1,154,951.48	77,936.27	.....
1,270.02	883.09	9,991.29	6.85	9,984.44	11,122.27	1,137.83	.....
922.81	616.10	6,926.18	5.23	6,920.95	8,965.02	2,044.07	.....
598.35	460.68	4,910.74	2.98	4,907.76	5,559.33	651.57	.....
4,162.25	2,571.67	27,293.13	27.22	27,265.91	30,779.63	3,513.72	.....
489.92	343.48	4,129.30	2.56	4,126.74	4,189.02	62.28	.....
1,132.65	683.12	8,118.52	7.69	8,110.83	7,944.72	.....	166.11
8,136.59	4,953.57	53,725.68	56.30	53,669.38	60,265.01	6,595.63	.....
696.62	501.77	5,282.28	3.88	5,278.40	5,438.39	159.99	.....
1,843.40	1,209.58	13,577.61	10.00	13,567.61	15,632.62	2,065.01	.....
57,233.37	34,214.75	359,262.16	383.24	358,878.92	382,132.37	23,253.45	.....
408.93	282.04	3,161.22	2.28	3,158.94	3,781.09	622.15	.....
904.47	590.13	6,649.32	5.28	6,644.04	7,800.30	1,156.26	.....
3,363.08	2,211.29	24,507.93	19.86	24,488.07	29,563.58	5,075.51	.....
3,035.54	1,972.86	22,270.27	17.59	22,252.68	24,020.98	1,768.30	.....
93,804.53	55,645.12	590,419.93	650.35	589,769.58	624,122.59	34,353.01	.....

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1928	To Oct. 31 1928				Operating, maintenance and administrative expenses	Interest	Renewals
			$ c.		$ c.	$ c.	$ c.	$ c.
London Ry.Com.	15.00+	kw. hr.	369,250.24	1,355.1	726.62	13,411.65	17,802.68	2,801.05
London twp.	.....	40.00	47,217.57	165.4	88.69	1,660.69	2,290.09	374.39
Lucan	.....	38.00	42,683.03	152.0	81.50	1,517.57	2,053.73	335.33
Lynden	.....	40.00	29,178.44	86.2	46.22	917.01	1,384.51	265.07
Markham	58.00	56.00	48,180.90	134.6	72.17	2,188.49	2,308.35	332.85
Merlin	.....	47.00	44,343.60	116.1	62.25	2,298.35	2,140.23	432.46
Merritton	.....	22.00	177,527.03	946.3	507.42	5,393.99	8,782.31	790.21
Milton	.....	32.00	267,673.27	1,012.3	542.81	10,880.94	12,904.48	1,964.71
Milverton	.....	35.00	159,350.83	571.8	306.60	4,756.95	7,631.45	1,199.93
Mimico	.....	27.00	360,439.82	1,591.1	853.16	9,240.71	17,599.27	2,152.26
Mitchell	34.00	33.00	111,680.01	408.2	218.88	3,924.03	5,354.58	829.91
Moorefield	70.00	65.00	20,540.47	40.3	21.61	683.38	969.55	224.78
Mount Brydges	47.00	45.00	20,463.29	66.8	35.82	1,083.34	985.63	172.33
Newbury	55.00	52.00	14,306.85	34.8	18.66	590.91	687.21	144.53
New Hamburg	.....	35.00	141,739.90	498.7	267.41	3,555.80	6,840.39	1,121.01
New Toronto	.....	29.00	1,096,032.60	4,542.7	2,435.84	28,515.75	53,285.78	7,153.13
Niagara Falls	.....	19.00	1,427,954.40	8,234.5	4,415.43	34,283.25	70,761.11	5,434.49
Niagara-on-Lake	30.00	30.00	78,437.79	387.3	207.67	3,706.40	3,858.59	426.43
Norwich	.....	36.00	77,003.99	290.1	155.55	2,374.37	3,704.66	571.67
Oil Springs	.....	40.00	76,374.04	214.0	114.75	2,690.77	3,650.73	700.33
Otterville	.....	45.00	21,595.28	68.1	36.52	743.02	1,041.06	188.47
Palmerston	.....	40.00	133,070.84	433.8	232.61	4,455.84	6,363.22	1,094.39
Paris	.....	28.00	284,972.26	1,222.4	655.46	7,439.61	13,866.87	1,824.46
Parkhill	.....	65.00	64,528.79	124.0	66.49	1,437.09	3,061.39	719.08
Petrolia	.....	40.00	284,500.04	845.9	453.58	9,658.43	13,628.34	2,506.49
Plattsville	70.00	65.00	23,045.64	43.6	23.38	632.67	1,087.91	258.99
Point Edward	.....	40.00	61,390.44	213.3	114.37	2,941.56	2,927.97	476.24
Port Colborne	.....	28.00	259,316.13	1,118.8	599.91	8,979.93	12,665.41	1,717.44
Port Credit	.....	32.00	96,733.95	377.4	202.37	3,777.08	4,696.57	686.99
Port Dalhousie	.....	30.00	78,522.14	348.0	186.60	2,764.04	3,836.85	489.83
Port Dover	.....	43.00	77,014.70	219.8	117.86	2,209.15	3,703.14	715.99
Port Rowan	66.98	90.00	39,746.06	50.6	27.13	1,295.36	1,882.36	496.13
Port Stanley	45.00	43.00	93,131.42	280.6	150.46	2,686.39	4,454.97	830.93
Preston	.....	27.00	710,250.19	3,089.6	1,656.68	18,638.09	34,569.24	4,417.55
Princeton	.....	65.00	15,465.13	34.0	18.23	439.55	733.41	164.21
Queenston	.....	29.00	19,559.37	87.6	46.97	769.31	955.52	123.33
Richmond Hill	.....	42.00	56,311.67	192.5	103.22	1,870.74	2,729.78	413.99
Ridgetown	.....	38.00	112,459.31	369.9	198.34	4,439.04	5,411.28	925.66
Riverside	26.00	34.00	316,832.84	1,099.0	589.30	7,386.49	15,325.81	2,436.21
Rockwood	53.00	50.00	29,527.35	83.6	44.83	812.28	1,409.25	274.53

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,292.98	3,846.51	44,881.49	36.71	44,844.78	48,339.53	3,494.75	.....
756.66	491.69	5,662.21	4.48	5,657.73	6,616.97	959.24	.....
686.45	445.70	5,120.28	4.12	5,116.16	5,775.33	659.17	.....
426.41	304.44	3,343.66	2.34	3,341.32	3,448.36	107.04	.....
631.15	440.67	5,973.68	3.65	5,970.03	7,582.11	1,612.08	.....
641.42	467.85	6,042.56	3.15	6,039.41	5,457.44	.....	581.97
3,177.75	1,836.94	20,488.62	25.64	20,462.98	20,817.63	354.65	.....
4,279.13	2,785.86	33,357.93	27.43	33,330.50	32,393.26	.....	937.24
2,590.16	1,644.92	18,130.01	15.49	18,114.52	20,014.34	1,899.82	.....
6,195.16	3,743.22	39,783.78	43.11	39,740.67	42,958.56	3,217.89	.....
1,797.21	1,155.54	13,280.15	11.06	13,269.09	13,534.17	265.08	.....
256.21	214.35	2,369.88	1.09	2,368.79	2,658.35	289.56	.....
318.27	213.40	2,808.79	1.81	2,806.98	3,027.54	220.56	.....
204.05	150.69	1,796.05	0.94	1,795.11	1,824.95	29.84	.....
2,278.54	1,478.75	15,541.90	13.51	15,528.39	17,453.00	1,924.61	.....
18,710.70	11,394.91	121,496.11	123.07	121,373.04	131,737.30	10,364.26	.....
26,514.31	14,749.69	156,158.25	223.10	155,935.15	156,454.99	519.84	.....
1,334.04	813.65	10,346.78	10.49	10,336.29	11,618.50	1,282.21	.....
1,249.84	801.74	8,857.78	7.86	8,849.92	10,443.30	1,593.38	.....
1,185.31	798.18	9,140.07	5.80	9,134.27	8,561.93	.....	572.34
326.34	226.26	2,561.61	1.85	2,559.76	3,064.11	504.35	.....
2,065.75	1,377.12	15,588.93	11.75	15,577.18	17,353.64	1,776.46	.....
4,913.17	2,964.08	31,663.65	33.12	31,630.53	34,322.11	2,691.58	.....
800.29	676.35	6,760.69	3.36	6,757.33	8,061.05	1,303.72	.....
4,466.43	2,971.29	33,684.56	22.92	33,661.64	35,078.31	1,416.67	.....
288.13	241.85	2,532.93	1.18	2,531.75	2,867.51	335.76	.....
1,014.61	639.88	8,114.63	5.78	8,108.85	8,533.97	425.12	.....
4,466.71	2,693.98	31,123.37	30.31	31,093.06	31,326.83	233.77	.....
1,632.73	1,006.63	12,002.30	10.22	11,992.08	12,076.48	84.40	.....
1,314.77	815.41	9,407.54	9.43	9,398.11	10,439.25	1,041.14	.....
1,132.49	805.21	8,683.75	5.95	8,677.80	9,449.22	771.42	.....
452.38	417.96	4,571.37	1.37	4,570.00	4,349.25	.....	220.75
1,407.96	972.66	10,503.42	7.60	10,495.82	12,108.98	1,613.16	.....
12,377.19	7,376.60	79,035.37	83.71	78,951.66	83,573.24	4,621.58	.....
201.61	162.11	1,719.15	0.92	1,718.23	2,206.70	488.47	.....
332.51	202.94	2,430.64	2.37	2,428.27	2,539.64	111.37	.....
850.79	586.70	6,555.21	5.22	6,549.99	8,086.75	1,536.76	.....
1,786.01	1,173.14	13,933.43	10.02	13,923.41	14,056.31	132.90	.....
5,166.20	3,292.88	34,196.88	29.77	34,167.11	37,770.62	3,603.51	.....
423.59	308.16	3,272.68	2.26	3,270.42	4,218.30	947.88	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1928	To Oct. 31 1928				Operating, maintenance and administrative expenses	Interest	Renewals
			$ c.		$ c.	$ c.	$ c.	$ c
Rodney	.....	46.00	34,742.94	107.5	57.64	1,607.71	1,669.92	304.25
St. Catharines	.....	21.00	1,389,419.38	7,317.4	3,923.66	37,629.49	68,537.00	6,361.26
St. Clair Beach	42.00	40.00	21,009.89	66.2	35.50	568.68	1,006.45	174.47
St. George	.....	46.00	41,621.00	123.7	66.33	1,184.53	1,998.33	376.80
St. Jacobs	.....	35.00	46,497.60	171.3	91.85	1,442.21	2,254.65	351.30
St. Marys	.....	35.00	341,454.37	1,255.7	673.32	12,293.20	16,477.57	2,494.66
St. Thomas	.....	28.00	1,157,157.56	5,031.0	2,697.67	33,916.27	56,322.51	7,181.68
Sandwich	32.00	31.00	915,386.14	3,414.2	1,830.73	21,169.66	44,524.00	6,574.43
Sarnia	36.00	34.00	1,627,904.76	5,539.8	2,970.50	46,670.27	78,512.16	12,875.28
Scarboro twp	.....	36.00	446,856.09	1,846.7	990.22	25,114.96	21,803.40	2,566.82
Seaforth	36.00	35.00	118,440.62	399.2	214.06	4,319.32	5,604.69	945.97
Simcoe	.....	31.00	236,143.95	912.6	489.35	6,286.90	11,482.00	1,716.63
Springfield	50.00	48.00	37,770.18	95.5	51.21	995.94	1,807.86	374.25
Stamford twp	.....	21.00	222,467.29	1,283.1	688.01	6,832.91	11,042.17	845.10
Stouffville	.....	60.00	44,432.30	103.3	55.39	1,075.19	2,119.72	436.14
Stratford	.....	30.00	1,585,939.80	6,481.0	3,475.20	44,856.62	76,254.72	10,285.56
Strathroy	.....	34.00	205,063.92	731.0	391.97	5,330.81	9,836.05	1,587.25
Sutton	.....	60.00	41,754.33	111.3	59.68	2,430.37	1,998.77	376.58
Tavistock	38.00	36.00	125,609.43	427.7	229.34	3,562.23	5,968.20	981.37
Tecumseh	39.00	37.00	87,409.28	281.6	151.00	2,109.93	4,197.85	712.60
Thamesford	.....	45.00	44,027.63	135.7	72.76	1,225.34	2,103.94	385.38
Thamesville	42.00	40.00	48,963.82	162.8	87.30	2,356.63	2,363.26	400.71
Thedford	83.00	75.00	29,021.20	50.1	26.86	931.78	1,373.44	331.65
Thorndale	.....	65.00	21,803.35	48.2	25.85	952.17	1,029.23	229.69
Thorold	.....	24.00	212,697.78	1,063.8	570.42	6,387.03	10,481.65	1,085.94
Tilbury	.....	38.00	138,596.20	469.1	251.54	6,439.50	6,638.62	1,096.92
Tillsonburg	.....	34.00	204,464.66	762.4	408.81	5,827.64	9,866.15	1,533.75
Toronto	.....	26.10	48,295,719.63	204,905.1	109,872.24	1,094,664.18	2,351,221.11	265,443.40
Toronto twp	.....	33.00	222,697.56	906.5	486.07	8,759.00	10,837.62	1,504.62
Walkerville	.....	30.00	1,423,701.66	5,699.3	3,056.02	33,128.15	68,982.48	9,403.81
Wallaceburg	.....	35.00	615,961.86	2,087.9	1,119.55	17,666.10	29,748.14	4,941.03
Wardsville	74.00	70.00	13,436.44	27.2	14.58	530.76	642.95	146.91
Waterdown	35.00	32.00	46,916.46	177.3	95.07	1,389.55	2,205.28	332.12
Waterford	.....	33.00	92,832.78	348.6	186.92	2,701.53	4,503.05	694.14
Waterloo	.....	28.00	667,505.86	2,846.9	1,526.54	16,461.04	32,474.17	4,252.52
Watford	57.00	55.00	76,981.00	176.3	94.53	2,819.94	3,672.06	788.65
Welland	.....	23.00	638,747.56	3,289.7	1,763.97	19,204.46	31,401.09	3,196.49
Wellesley	.....	45.00	43,856.34	116.5	62.47	1,267.96	2,089.52	423.63
West Lorne	.....	40.00	92,496.80	317.8	170.41	3,762.10	4,458.67	745.73
Weston	.....	28.00	523,167.72	2,230.5	1,196.02	12,763.13	25,421.72	3,286.36

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
522.23	362.73	4,524.48	2.91	4,521.57	4,946.88	425.31	.....
24,621.21	14,380.55	155,453.17	198.25	155,254.92	153,666.08	.....	1,588.84
326.65	217.82	2,329.57	1.79	2,327.78	2,667.42	339.64	.....
632.59	434.85	4,693.43	3.35	4,690.08	5,691.69	1,001.61	.....
776.17	484.24	5,400.42	4.64	5,395.78	5,997.22	601.44	.....
5,730.49	3,555.98	41,225.22	34.02	41,191.20	43,950.62	2,759.42	.....
20,145.94	12,022.17	132,286.24	136.30	132,149.94	140,867.25	8,717.31	.....
15,164.02	9,532.10	98,794.94	92.50	98,702.44	106,448.08	7,745.64	.....
26,471.07	16,974.26	184,473.54	150.09	184,323.45	190,310.55	5,987.10	.....
7,247.01	4,642.30	62,364.71	50.03	62,314.68	66,480.90	4,166.22	.....
1,824.48	1,224.38	14,132.90	10.82	14,122.08	14,046.81	.....	75.27
3,873.32	2,461.74	26,309.94	24.72	26,285.22	28,291.32	2,006.10	.....
522.26	395.21	4,146.73	2.59	4,144.14	4,611.30	467.16	.....
4,121.55	2,297.12	25,826.86	34.76	25,792.10	26,944.89	1,152.79	.....
578.61	465.04	4,730.09	2.80	4,727.29	6,197.50	1,470.21	.....
26,986.31	16,317.29	178,175.70	175.59	178,000.11	194,431.25	16,431.14	.....
3,168.60	2,125.77	22,440.45	19.80	22,420.65	24,855.39	2,434.74	.....
568.54	435.53	5,869.47	3.02	5,866.45	6,678.00	811.55	.....
1,997.42	1,289.24	14,027.80	11.59	14,016.21	15,538.75	1,522.54	.....
1,371.93	905.77	9,449.08	7.63	9,441.45	10,502.99	1,061.54	.....
669.50	458.30	4,915.22	3.68	4,911.54	6,106.47	1,194.93	.....
784.96	511.65	6,504.51	4.41	6,500.10	6,567.49	67.39	.....
361.58	304.57	3,329.88	1.36	3,328.52	3,826.05	497.53	.....
284.07	227.92	2,748.93	1.31	2,747.62	3,134.33	386.71	.....
3,767.96	2,203.76	24,496.76	28.82	24,467.94	25,531.74	1,063.80	.....
2,225.20	1,433.77	18,085.55	12.71	18,072.84	17,824.62	.....	248.22
3,210.52	2,129.13	22,976.00	20.66	22,955.34	25,920.81	2,965.47	.....
793,458.27	501,505.61	5,116,164.81	5,551.42	5,110,613.39	5,348,024.15	237,410.76	.....
3,818.34	2,315.88	27,721.53	24.56	27,696.97	29,913.37	2,216.40	.....
23,942.58	14,809.26	153,322.30	154.41	153,167.89	170,980.32	17,812.43	.....
9,826.47	6,422.75	69,724.04	56.57	69,667.47	73,077.34	3,409.87	.....
175.50	141.61	1,652.31	.74	1,651.57	1,923.63	272.06	.....
756.50	476.62	5,255.14	4.80	5,250.34	5,764.38	514.04	.....
1,552.07	967.31	10,605.02	9.44	10,595.58	11,503.78	908.20	.....
11,560.00	6,934.66	73,208.93	77.15	73,131.78	79,713.86	6,582.08	.....
1,071.05	806.16	9,252.39	4.78	9,247.61	9,752.02	504.41	.....
11,364.80	6,613.48	73,544.29	89.13	73,455.16	75,662.09	2,206.93	.....
618.45	458.98	4,921.01	3.16	4,917.85	5,241.35	323.50	.....
1,467.02	964.44	11,568.37	8.61	11,559.76	12,710.55	1,150.79	.....
8,808.71	5,436.42	56,912.36	60.43	56,851.93	62,454.33	5,602.40	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1928	To Oct. 31 1928				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Wheatley	50.00	48.00	39,308.93	106.6	57.16	1,212.05	1,887.16	366.68
Windsor	29.00	28.00	5,861,614.00	23,532.2	12,618.21	132,414.15	285,116.26	38,575.11
Woodbridge	36.00	37.00	59,745.51	211.7	113.52	2,036.15	2,871.76	463.82
Woodstock	.....	27.00	964,958.52	4,445.9	2,383.94	27,233.37	47,169.33	5,521.17
Wyoming	.....	54.00	22,776.95	49.9	26.76	688.85	1,081.50	238.10
York East twp.	.....	35.00	704,937.32	2,924.8	1,568.31	40,209.27	34,480.16	4,023.27
York North twp.	35.00	35.00	237,133.93	935.1	501.41	7,860.16	11,549.85	1,479.02
Zurich	.....	65.00	39,550.95	74.7	40.05	1,004.32	1,883.45	447.70
Sandwich, Windsor and Amherstburg Railway			891,934.87	3,484.8	1,868.59	20,664.67	43,556.70	6,072.56
Toronto Transportation Comm.			796,374.26	2,759.4	1,479.62	30,322.34	38,352.27	5,854.70
RURAL POWER DISTRICTS								
Acton R.P.D.—Esquesing twp.			252.22	0.9	0.48	6.81	12.27	1.96
Amherstburg R.P.D.—Anderdon, Malden, Colchester N. and Colchester S. twps.			126,461.30	397.5	213.14	3,838.36	6,015.22	1,039.17
Aylmer R.P.D.—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps.			40,628.31	128.9	69.12	1,606.00	1,961.40	349.28
Ayr R.P.D.—Dumfries N. and Blenheim twps.			2,446.98	8.6	4.61	62.33	118.50	19.41
Baden R.P.D.—Wilmot, Zorra E., Easthope S., Easthope N., Wellesley, Waterloo and Blenheim twps.			36,943.68	133.3	71.47	1,085.85	1,792.81	285.46
Beamsville R.P.D.—Grimsby N., Gainsborough, Clinton and Louth twps.			117,261.12	459.0	246.12	3,384.17	5,695.77	852.26
Belle River R.P.D.—Maidstone and Rochester twps.			50,342.06	170.0	91.15	1,393.88	2,431.40	399.13
Blenheim R.P.D.—Raleighand Harwich twps.			27,231.71	87.3	46.81	1,025.70	1,281.27	216.54
Bond Lake R.P.D.—King, Vaughan, Markham and Whitchurch twps.			96,525.47	351.4	188.42	3,900.63	4,685.08	661.36
Bothwell R.P.D.—Ekfrid,Zone, Oxford, Aldboro and Mosa twps.			41,834.89	121.9	65.37	1,768.93	2,037.00	381.61
Brampton R.P.D.—Chinguacousy and Toronto twps.			11,172.68	43.2	23.16	639.35	542.76	79.28
Brant R.P.D.—Brantford, Burford, Blenheim, Dumfries S. Onondaga and Oakland twps.			50,661.67	206.3	110.61	2,577.66	2,456.75	341.14

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
558.21	410.91	4,492.17	2.89	4,489.28	5,154.95	665.67	.....
98,711.93	60,969.39	628,405.05	637.55	627,767.50	663,234.25	35,466.75	.....
957.28	622.61	7,065.14	5.74	7,059.40	7,797.68	738.28	.....
16,977.70	10,013.31	109,298.82	120.45	109,178.37	120,039.76	10,861.39	.....
306.67	238.62	2,580.50	1.35	2,579.15	2,692.80	113.65	.....
11,467.67	7,322.96	99,071.64	79.24	98,992.40	102,367.95	3,375.55	.....
3,835.15	2,461.36	27,686.95	25.33	27,661.62	31,955.15	4,293.53	.....
488.67	417.63	4,281.82	2.02	4,279.80	4,854.38	574.58	.....
14,856.87	9,281.49	96,300.88	94.41	96,206.47	107,188.69	10,982.22	.....
12,102.27	8,291.14	96,402.34	74.76	96,327.58	105,426.28	9,098.70	.....
4.04	2.62	28.18	0.02	28.16	28.16	see page	151
1,958.15	1,301.93	14,365.97	10.77	14,355.20	14,355.20	see page	151
629.31	424.05	5,039.16	3.50	5,035.66	5,035.66	see page	151
39.03	25.47	269.35	0.23	269.12	269.12	see page	151
607.38	385.31	4,228.28	3.61	4,224.67	4,224.67	see page	151
1,881.27	1,220.19	13,279.78	12.44	13,267.34	13,267.34	see page	151
809.89	525.00	5,650.45	4.60	5,645.85	5,645.85	see page	151
418.32	275.53	3,264.17	2.37	3,261.80	3,261.80	see page	151
1,499.58	1,004.75	11,939.82	9.52	11,930.30	11,930.30	see page	151
635.39	440.33	5,328.63	3.31	5,325.32	5,325.32	see page	151
183.64	115.68	1,583.87	1.17	1,582.70	1,582.70	see page	151
865.64	523.57	6,875.37	5.59	6,869.78	6,869.78	see page	151

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on accouut of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Brigden R.P.D.—Moore, Sombra twps.	9,323.00	16.3	8.74	263.07	442.42	105.68
Burford R.P.D.—Burford, Brantford and Oakland twps.	18,173.07	57.5	30.83	510.75	887.39	159.59
Caledonia R.P.D.—Ancaster, Glandford, Oneida, Binbrook, Caistor and Barton twps.	18,684.30	81.2	43.54	925.65	913.64	117.21
Chatham R.P.D.—Dover, Chatham, Raleigh and Harwich twps.	52,176.36	202.0	108.31	1,536.62	2,535.62	366.48
Chippawa R.P.D.—Willoughby and Bertie twps.	19,059.70	90.8	48.69	715.88	930.22	109.78
Clinton R.P.D.—Goderich and Stanley twps.	8,124.54	14.7	7.88	151.17	281.50	57.77
Delaware R.P.D.—Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps.	41,366.25	145.7	78.13	1,925.61	2,001.34	326.69
Dorchester R.P.D.—London, Nissouri E., Nissouri W., Oxford N., Dorchester N., Dorchester S., Westminster and Yarmouth twps.	61,887.47	219.1	117.48	2,509.23	2,977.50	483.74
Dresden R.P.D.—Camden, and Chatham twps.	35.22	0.1	0.05	1.51	1.72	0.32
Drumbo R.P.D.—Blenheim, Burford and Blandford twps.	20,397.67	46.1	24.72	589.88	953.09	207.72
Dundas R.P.D.—Flamboro W., Beverley, Ancaster and Flamboro E. twps.	66,728.85	290.5	155.77	1,618.85	3,258.51	417.54
Dunnville R.P.D.—Moulton twp.	254.97	1.1	0.59	8.30	12.56	1.69
Dutton R.P.D.—Dunwich and Aldboro twps.	5,622.97	19.7	10.56	282.94	273.31	44.56
Elmira R.P.D.—Woolwich twp.	5,606.35	19.8	10.62	131.96	272.40	44.10
Elora R.P.D.—Pilkington, Nichol, Garafraxa W. and Peel twps.	9,811.30	33.6	18.01	419.09	471.48	79.7
Essex R.P.D.—Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N. and Gosfield S. twps.	30,223.53	103.4	55.44	794.87	1,463.07	236.7
Exeter R.P.D.—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps.	48,200.73	138.1	74.05	1,801.86	2,328.15	448.6

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges							
Obsolescence and contingencies	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
						Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
120.14	97.52	1,037.57	0.44	1,037.13	1,037.13	see page	151
285.06	191.21	2,064.83	1.56	2,063.27	2,063.27	see page	151
324.35	193.80	2,518.19	2.20	2,515.99	2,515.99	see page	151
879.00	543.07	5,969.10	5.47	5,963.63	5,963.63	see page	151
335.80	197.63	2,338.00	2.46	2,335.54	2,335.54	see page	151
86.85	61.19	646.36	0.40	645.96	645.96	see page	151
661.40	430.95	5,424.12	3.95	5,420.17	5,420.17	see page	151
988.78	642.76	7,719.49	5.94	7,713.55	7,713.55	see page	151
0.52	0.37	4.49	0.01	4.48	4.48	see page	153
262.58	209.32	2,247.31	1.25	2,246.06	2,246.06	see page	153
1,163.81	692.04	7,306.52	7.87	7,298.65	7,298.65	see page	153
4.39	2.66	30.19	0.03	30.16	30.16	see page	153
90.39	58.61	760.37	0.53	759.84	759.84	see page	153
91.55	58.42	609.05	0.54	608.51	608.51	see page	153
154.12	102.35	1,244.77	0.91	1,243.86	1,243.86	see page	153
489.16	315.11	3,354.41	2.80	3,351.61	3,351.61	see page	153
697.42	506.01	5,856.10	3.74	5,852.36	5,852.36	see page	153

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Forest R.P.D.—Warwick, Bosanquet, Williams W. and Adelaide twps.	1,793.31	2.9	1.56	53.46	85.28	20.90
Galt R.P.D.—Dumfries N. and Dumfries S. twps.	21,356.97	87.6	46.97	1,178.98	1,040.50	142.90
Georgetown R.P.D.—Esquesing and Chinguacousy twps.	11,053.30	36.5	19.57	315.09	535.13	92.39
Goderich R.P.D.—Colborne and Goderich twps.	14,133.26	37.3	20.00	699.26	673.23	134.55
Grantham R.P.D.—Grantham and Niagara twps.	69,439.33	335.4	179.84	2,028.76	3,401.90	378.19
Guelph R.P.D.—Guelph and Puslinch twps.	11,215.38	49.1	26.33	496.68	547.79	69.14
Haldimand R.P.D.—Walpole, Rainham, Cayuga N. and Oneida twps.	6,555.71	16.4	8.79	185.58	313.49	65.55
Harrow R.P.D.—Colchester S. and Malden twps.	49,689.65	162.6	87.18	1,461.77	2,412.02	405.59
Ingersoll R.P.D.—Dorchester N., Dereham, Oxford N., Zorra W. and Oxford W. twps	25,269.27	88.6	47.51	1,077.09	1,228.35	200.12
Jordan R.P.D.—Louth and Thorold twps.	9,337.53	43.7	23.43	256.25	456.35	53.63
Keswick R.P.D—Georgina and Gwillimbury N. twps.	48,439.33	164.8	88.37	2,530.04	2,337.27	356.07
Kingsville R.P.D. — Gosfield N., Gosfield S., Mersey and Romney twps.	104,774.01	338.2	181.35	3,208.64	5,032.83	863.39
Listowel R.P.D.—Wallace and Elma twps.	13,554.83	46.1	24.72	423.28	652.46	107.39
London R.P.D.—Westminster, Delaware and London twps.	209,078.64	813.8	436.37	7,754.64	10,165.07	1,493.06
Lucan R.P.D.—Stephen, London, McGillivray and Biddulph twps.	9,839.25	35.0	18.76	584.45	479.16	77.35
Lynden R.P.D.—Beverly, Ancaster, Brantford and Dumfries S. twps.	28,038.46	85.5	45.85	839.54	1,347.26	249.32
Markham R.P.D.—Markham, Scarboro, Pickering and Whitchurch twps.	44,892.29	143.0	76.68	1,052.02	2,168.18	353.62
Milton R.P.D.—Nassagaweya, Esquesing, Trafalgar and Nelson twps.	16,591.60	60.5	32.44	810.15	807.99	126.38

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
21.50	18.83	201.53	0.08	201.45	201.45	see page 153	
365.90	221.54	2,996.79	2.37	2,994.42	2,994.42	see page 153	
169.26	115.24	1,246.68	0.99	1,245.69	1,245.69	see page 153	
196.36	146.81	1,870.21	1.01	1,869.20	1,869.20	see page 153	
1,215.18	719.94	7,923.81	9.09	7,914.72	7,914.72	see page 153	
195.59	116.32	1,451.85	1.33	1,450.52	1,450.52	see page 153	
92.24	68.55	734.20	0.44	733.76	733.76	see page 153	
777.32	518.88	5,662.76	4.40	5,658.36	5,658.36	see page 153	
406.13	262.92	3,222.12	2.40	3,219.72	3,219.72	see page 153	
163.16	96.86	1,049.68	1.18	1,048.50	1,048.50	see page 153	
734.32	503.43	6,549.50	4.46	6,545.04	6,545.04	see page 153	
1,660.42	1,093.12	12,039.75	9.16	12,030.59	12,030.59	see page 153	
215.57	140.09	1,563.51	1.25	1,562.26	1,562.26	see page 153	
3,526.89	2,174.25	25,550.28	22.05	25,528.23	25,528.23	see page 155	
158.13	102.74	1,420.59	0.94	1,419.65	1,419.65	see page 155	
415.16	292.43	3,189.56	2.31	3,187.25	3,187.25	see page 155	
670.52	468.17	4,789.19	3.87	4,785.32	4,785.32	see page 155	
264.70	172.78	2,214.44	1.64	2,212.80	2,212.80	see page 155	

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Milverton R.P.D.—Mornington twp.	7,022.82	25.2	13.51	202.09	339.35	52.88
Mitchell R.P.D.—Ellice, Logan and Elma twps.	29,924.77	88.7	47.56	757.18	1,433.34	264.51
Newmarket R.P.D.—Gwillimbury E., King and Whitchurch twps.	50,016.61	166.2	89.12	1,757.27	2,390.89	367.67
Niagara R.P.D.—Niagara twp.	92,474.99	478.4	256.51	2,952.61	4,567.02	458.08
Norwich R.P.D.—Norwich N., Norwich S., Dereham, Oxford E., Burford and Windham twps.	49,902.63	188.0	100.81	2,039.70	2,410.27	370.44
Oil Springs R.P.D.—Enniskillen, Dawn and Brooke twps.	14,212.64	38.9	20.86	543.92	683.88	132.28
Palmerston R.P.D. — Maryborough, Wallace and Minto twps.	858.89	2.8	1.50	25.66	41.38	7.06
Petrolia R.P.D. — Plympton and Enniskillen twps.	1,827.65	4.9	2.63	59.18	87.10	17.22
Preston R.P.D. — Waterloo, Puslinch, Dumfries N. and Woolwich twps.	114,622.66	460.4	246.87	3,107.79	5,576.01	790.44
Ridgetown R.P.D. — Howard, Oxford, Harwich, Aldborough and Rondeau Park twps.	62,427.69	146.0	78.29	2,553.02	2,391.68	446.24
St. Jacobs R.P.D.—Wellesley and Woolwich twps.	37,350 09	137.6	73.78	1,053.37	1,808.92	282.18
St. Mary's R.P.D.—Fullarton, Usborne, Blanshard and Downie twps.	18,792.20	45.1	24.18	417.11	597.93	91.10
St. Thomas R.P.D.—Southwold, Yarmouth, Westminster and Dunwich twps.	85,286.86	327.7	175.72	3,459.66	4,124.33	609.67
Saltfleet R.P.D. — Saltfleet, Barton, Binbrook and Grimsby N. twps.	101,357.53	428.9	229.98	2,696.10	4,916.68	659.19
Sandwich R.P.D. — Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps.	193,919.40	732.9	392.99	4,986.23	9,413.48	1,371.20
Sarnia R.P.D.—Sarnia, Moore and Plympton twps.	100,564.85	326.8	175.24	4,287.90	4,862.97	827.64
Scarboro R.P.D. — Scarboro, Pickering and York N. twps.	18,321.28	67.6	36.25	1,564.28	891.55	123.53
Seaforth R.P.D.—Tuckersmith and McKillop twps.	14,774.43	47.8	25.63	503.04	695.85	117.00

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
114.14	72.49	794.46	0.68	793.78	793.78	see page 155	
480.72	310.17	3,293.48	2.40	3,291.08	3,291.08	see page 155	
763.30	513.72	5,881.97	4.50	5,877.47	5,877.47	see page 155	
1,643.40	956.84	10,834.47	12.95	10,821.52	10,821.52	see page 155	
809.94	519.56	6,250.72	5.09	6,245.63	6,245.63	see page 155	
220.44	148.58	1,749.96	1.05	1,748.91	1,748.91	see page 155	
13.33	8.89	97.82	0.08	97.74	97.74	see page 155	
27.02	19.10	212.25	0.13	212.12	212.12	see page 155	
1,976.65	1,192.06	12,889.82	12.47	12,877.35	12,877.35	see page 155	
751.43	519.82	6,740.48	3.96	6,736.52	6,736.52	see page 155	
623.47	388.97	4,230.69	3.73	4,226.96	4,226.96	see page 155	
207.32	127.52	1,465.16	1.23	1,463.93	1,463.93	see page 155	
1,447.53	882.66	10,699.57	8.88	10,690.69	10,690.69	see page 155	
1,755.82	1,051.63	11,309.40	11.62	11,297.78	11,297.78	see page 155	
3,246.01	2,018.06	21,427.97	19.86	21,408.11	21,408.11	see page 155	
1,623.74	1,049.15	12,826.64	8.85	12,817.79	12,817.79	see page 155	
286.57	190.69	3,092.87	1.83	3,091.04	3,091.04	see page 155	
222.21	149.22	1,712.95	1.30	1,711.65	1,711.65	see page 157	

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Simcoe R.P.D.—Woodhouse, Charlotteville, Windham and Townsend twps.	24,508.45	95.4	51.15	921.19	1,196.57	176.79
Stamford R.P.D. — Stamford and Thorold twps.	16,200.23	91.0	48.79	407.33	801.17	66.38
Stratford R.P.D.—Ellice and Downie twps.	35,463.28	143.9	77.16	1,008.58	1,709.31	232.14
Strathroy R.P.D. — Adelaide and Metcalfe twps.	5,453.08	19.5	10.46	410.66	264.08	42.08
Streetsville R.P.D.—Toronto, Trafalgar, Esquesing and Chinguacousy twps.	20,400.77	79.9	42.84	874.22	995.96	144.17
Tavistock R.P.D. — Easthope N., Easthope S. and Zorra E. twps.	21,027.54	73.5	39.41	595.28	1,004.61	160.58
Thamesville R.P.D.—Camden, Euphemia, Zone, Orford, Howard and Chatham twps.	11,910.11	39.6	21.23	503.74	580.12	97.47
Tilbury R.P.D.—Dover, Tilbury E., Tilbury W., Tilbury N., Raleigh and Romney twps.	24,169.10	72.3	38.77	980.22	1,165.85	212.07
Tillsonburg R.P.D.—Norwich S., Bayham, Dorchester S., Malahide, Dereham, Middleton and Norwich N. twps.	54,693.16	180.2	96.63	2,374.07	2,625.18	458.35
Wallaceburg R.P.D.—Dover, Chatham and Sombra twps.	36,347.12	122.3	65.58	1,005.63	1,752.02	293.44
Walsingham R.P.D. — Walsingham S. and Charlotteville twps.	23,448.15	35.7	19.14	592.16	1,113.40	280.92
Walton R.P.D. — Wawanosh W., Wawanosh E., Morris, Grey, Hullett and McKillop twps.	15,269.12	37.0	19.84	446.60	728.63	152.28
Waterdown R.P.D. — Flamboro E., Flamboro W. and Nelson twps.	62,211.38	235.1	126.06	1,827.61	2,956.55	440.31
Waterford R.P.D.—Windham and Townsend twps.	16,343.02	60.1	32.23	484.68	795.06	125.00
Welland R.P.D.—Bertie, Pelham, Thorold, Crowland, Wainfleet and Humberstone twps.	182,578.46	797.6	427.68	7,956.37	8,913.93	1,183.71

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
405.78	255.47	3,006.95	2.58	3,004.37	3,004.37	see page	157
298.77	167.44	1,789.88	2.47	1,787.41	1,787.41	see page	157
602.95	364.94	3,995.08	3.90	3,991.18	3,991.18	see page	157
84.26	56.53	868.07	0.53	867.54	867.54	see page	157
343.01	212.23	2,612.43	2.16	2,610.27	2,610.27	see page	157
337.48	215.89	2,353.25	1.99	2,351.26	2,351.26	see page	157
190.93	124.44	1,517.93	1.07	1,516.86	1,516.86	see page	157
364.87	251.63	3,013.41	1.96	3,011.45	3,011.45	see page	157
854.65	570.51	6,979.39	4.88	6,974.51	6,974.51	see page	157
581.70	379.04	4,077.41	3.31	4,074.10	4,074.10	see page	157
280.37	246.35	2,532.34	0.97	2,531.37	2,531.37	see page	157
209.53	158.83	1,715.71	1.00	1,714.71	1,714.71	see page	157
1,003.13	631.99	6,985.71	6.37	6,979.34	6,979.34	see page	157
271.02	170.51	1,878.50	1.62	1,876.88	1,876.88	see page	157
3,057.25	1,896.36	23,435.36	21.61	23,413.75	23,413.75	see page	157

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under the Power the Commission from each Municipality on account of such cost; and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Woodbridge R.P.D.—Toronto, Vaughan, York N., Etobicoke, Toronto Gore, Albion, King and Chinguacousy twps.	92,613.31	302.8	162.36	2,515.17	4,469.84	771.17
Woodstock R.P.D. — Oxford W., Oxford N., Oxford E., Blandford, Zorra W. and Zorra E. twps.	77,615.04	317.0	169.98	3,267.35	3,772.88	526.32
Totals—Municipalities	111,920,234.72	470,451.8	252,261.12	2,850,970.83	5,443,507.19	678,044.06
Totals—Rural Power Districts	3,426,399.80	12,551.8	6,730.34	119,569.56	164,796.20	25,375.73
Totals—Companies	43,172,131.49	223,119.2	119,638.79	1,279,229.11	2,145,743.73	204,239.91
	158,518,766.01					
Non-operating capital	262,673.65					
Grand totals	158,781,439.66	706,122.8	378,630.25	4,249,769.50	7,754,047.12	907,659.70

SYSTEM—Continued *COST OF POWER*

Commission Act) of Power supplied to it by the Commission; the amount received by remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1928

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,425.29	966.17	10,310.00	8.20	10,301.80	10,301.80	see page	157
1,343.17	807.07	9,886.77	8.59	9,878.18	9,878.18	see page	159
1,870,546.90	1,161,825.54	12,257,155.64	(12,745.84)	12,244,409.80	12,976,432.64	741,869.51	9,846.67
55,282.51	35,374.88	407,129.22	(340.02)	406,789.20	406,789.20	.....	.....
770,110.27	446,512.70	4,965,474.51	13,085.86	4,978,560.37	4,978,560.37	.....	.....
2,695,939.68	1,643,713.12	17,629,759.37	.....	17,629,759.37	18,361,782.21	.....	.....

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power the amounts remaining to be credited to certain districts or charged to the adjustment) of the actual costs in the

Rural power districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Acton R.P.D.—Esquesing twp.	2,865.69	1,432.84	1,432.85	28.16
Amherstburg R.P.D.—Anderdon, Malden, Colchester N. and Colchester S. twps.	81,876.21	40,938.11	40,938.10	14,355.20
***Aylmer** R.P.D.—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps.	113,971.74	56,238.47	57,733.27	5,035.66
Ayr R.P.D.—Dumfries N. and Blenheim twps.	11,591.63	5,795.82	5,795.81	269.12
***Baden** R.P.D.—Wilmot, Zorra E., Easthope S., Easthope N., Wellesley, Waterloo and Blenheim twps.	82,337.84	40,958.64	41,379.20	4,224.67
Beamsville R.P.D. — Grimsby N., Gainsboro, Clinton and Louth twps.	197,281.32	98,533.10	98,748.22	13,267.34
Belle River R.P.D.—Maidstone and Rochester twps.	56,124.19	28,062.09	28,062.10	5,645.85
***Blenheim** R.P.D.—Raleigh and Harwich twps.	55,409.20	26,560.23	28,848.97	3,261.80
***Bond Lake** R.P.D.—King, Vaughan, Markham and Whitchurch twps.	129,811.28	64,169.37	65,641.91	11,930.30
***Bothwell** R.P.D.—Ekfrid, Zone, Orford, Aldboro and Mosa twps.	32,924.86	16,369.04	16,555.82	5,325.32
Brampton R.P.D.—Chinguacousy and Toronto twps.	59,583.73	29,791.86	29,791.87	1,582.70
***Brant** R.P.D.—Brantford, Burford, Blenheim, Dumfries S., Onondaga and Oakland twps.	88,751.27	43,861.94	44,889.33	6,869.78
Brigden R.P.D.—Moore and Sombra twps.	30,432.04	15,216.02	15,216.02	1,037.13
Burford R.P.D.—Burford, Brantford and Oakland twps.	26,380.71	13,190.35	13,190.36	2,063.27
Caledonia R.P.D.—Ancaster, Glandford, Oneida, Binbrook, Caister and Barton twps.	62,506.52	31,253.26	31,253.26	2,515.99
Chatham R.P.D.—Dover, Chatham, Raleigh and Harwich twps.	140,811.04	70,405.52	70,405.52	5,963.63
Chippawa R.P.D.—Willoughby and Bertie twps.	36,503.61	18,251.80	18,251.81	2,335.54
Clinton R.P.D.—Goderich and Stanley twps.	46,097.81	23,048.90	23,048.91	645.96
***Delaware** R.P.D.—Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps.	135,219.88	67,255.78	67,964.10	5,420.17
***Dorchester** R.P.D.—London, Nissouri W., Nissouri E., Oxford N., Dorchester N., Dorchester S., Westminster and Yarmouth twps.	160,045.75	79,248.15	80,797.60	7,713.55

Note.—Items marked * include portions of transmission lines used for purposes of rural

RAL POWER DISTRICTS *RURAL OPERATING*

trict, the revenues collected from (or charged to) customers within each district, and nicipalities comprising certain other districts upon ascertainment (by annual r ending October 31, 1928

tribution costs and fixed charges							Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
st of eration, aintence and lminisration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Credited	Charged
$ c. 74.71	$ c. 53.36	$ c. 45.61	$ c. 68.41	$ c. 12.01	$ c. 282.26	$ c. 258.68	.....	23.58
,690.66	1,740.68	1,487.68	2,231.52	391.63	27,897.37	28,963.80	1,066.43	.....
,080.67	2,549.20	2,148.99	3,223.48	573.59	19,611.59	20,516.57	904.98	.....
396.55	264.59	226.13	339.20	59.53	1,555.12	2,008.13	453.01	.....
,039.54	1,865.96	1,586.40	2,379.61	419.83	13,516.01	14,591.49	1,075.48	.....
,258.55	4,240.02	3,623.40	5,435.10	953.96	34,778.37	36,486.46	1,708.09	.....
,319.43	1,141.82	975.86	1,463.79	256.90	12,803.65	16,429.58	3,625.93	.....
,978.34	1,175.65	960.01	1,440.02	264.58	10,080.40	11,405.23	1,324.83	.....
,861.34	2,660.72	2,244.76	3,367.12	598.68	32,662.92	36,601.83	3,938.91	.....
,696.78	597.70	507.12	760.68	134.49	9,022.09	9,821.49	799.40	.....
,289.28	1,028.93	879.38	1,319.07	231.50	6,330.86	6,542.63	211.77	.....
,002.15	1,808.35	1,525.10	2,287.65	406.89	15,899.92	14,997.52	.....	902.40
541.83	611.26	522.42	783.62	137.52	3,633.78	3,522.63	.....	111.15
,083.78	547.48	467.91	701.87	123.18	4,987.49	5,529.24	541.75	.....
,805.76	1,157.50	989.26	1,483.89	260.42	8,212.82	7,961.87	.....	250.95
,560.47	2,786.93	2,381.87	3,572.80	627.03	20,892.73	21,622.48	729.75	.....
,069.65	774.11	661.60	992.40	174.17	6,007.47	6,780.76	773.29	.....
477.18	357.21	305.30	457.94	80.37	2,323.96	1,960.81	.....	363.15
,235.64	2,943.92	2,501.97	3,752.96	662.37	21,517.03	20,492.50	.....	1,024.53
,231.42	3,604.27	3,049.63	4,574.43	810.97	26,984.27	24,647.77	.....	2,336.50

ver districts.

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power the amounts remaining to be credited to certain districts or charged to the adjustment) of the actual costs in the

Rural power districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Dresden R.P.D.—Camden and Chatham twps.	432.30	216.15	216.15	4.48
***Drumbo** R.P.D.—Blenheim, Burford and Blandford twps.	39,637.28	19,631.87	20,005.41	2,246.06
Dundas R.P.D.—Flamboro W., Beverly, Ancaster and Flamboro E. twps.	135,397.00	67,552.68	67,844.32	7,298.65
Dunnville R.P.D.—Moulton twp.	3,243.16	1,621.58	1,621.58	30.16
Dutton R.P.D.—Dunwich and Aldboro twps.	18,199.26	9,099.63	9,099.63	759.84
Elmira R.P.D.—Woolwich twp.	7,086.71	3,543.35	3,543.36	608.51
Elora R.P.D.—Pilkington, Nichol, Garafraxa W. and Peel twps.	18,053.30	9,026.65	9,026.65	1,243.86
***Essex** R.P.D.—Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N. and Gosfield S. twps.	76,625.22	37,700.56	38,924.66	3,351.61
***Exeter** R.P.D.—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps.	82,280.20	40,772.56	41,507.64	5,852.36
***Forest** R.P.D.—Warwick, Bosanquet, Williams W. and Adelaide twps.	6,220.88	3,017.06	3,203.82	201.45
Galt R.P.D.—Dumfries N. and Dumfries S. twps.	41,548.05	20,774.02	20,774.03	2,994.42
Georgetown R.P.D.—Esquesing and Chinguacousy twps.	37,371.20	18,685.60	18,685.60	1,245.69
Goderich R.P.D.—Colborne and Goderich twps.	5,515.11	2,757.56	2,757.55	1,869.20
Grantham R.P.D.—Grantham and Niagara twps.	80,950.85	40,475.42	40,475.43	7,915.90
Guelph R.P.D.—Guelph and Puslinch twps.	33,436.97	16,718.49	16,718.48	1,450.52
***Haldimand** R.P.D.—Walpole, Rainham, Cayuga N. and Oneida twps.	19,815.72	9,674.40	10,141.32	733.76
Harrow R.P.D.—Colchester S. and Malden twps.	71,407.09	35,703.54	35,703.55	5,658.36
Ingersoll R.P.D.—Dorchester N., Dereham, Oxford N., Zorra W. and Oxford W. twps.	85,452.01	42,726.00	42,726.01	3,219.72
Jordan R.P.D.—Louth and Thorold twps.	55,726.71	27,863.36	27,863.35	1,047.32
***Keswick** R.P.D.—Georgina and Gwillimbury twps.	60,101.23	28,869.13	31,232.10	6,545.04
***Kingsville** R.P.D.—Gosfield N., Gosfield S., Mersey and Romney twps.	169,841.38	83,885.47	85,955.91	12,030.59
Listowel R.P.D.—Wallace and Elma twps.	41,670.82	20,835.41	20,835.41	1,562.26

Note.—Items marked * include portions of transmission lines used for purposes of rural

WER DISTRICTS—Continued *RURAL OPERATING*

trict, the revenues collected from (or charged to) customers within each district, and nicipalities comprising certain other districts upon ascertainment (by annual r ending October 31, 1928

tribution costs and fixed charges							Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
ost of eration, aintenice and lminisration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11.41	0.98	0.84	1.26	0.22	19.19	.....	.....	19.19
1,354.89	768.78	649.62	974.43	172.98	6,166.76	6,195.59	28.83	.....
3,465.47	3,062.56	2,611.61	3,917.41	689.03	21,044.73	22,734.73	1,690.00	.....
.....	17.92	15.32	22.98	4.03	90.41	75.50	.....	14.91
160.10	365.33	312.23	468.35	82.20	2,148.05	2,659.05	511.00	.....
271.58	165.61	141.54	212.31	37.26	1,436.81	1,704.82	268.01	.....
1,085.44	402.72	344.19	516.28	90.61	3,683.10	3,721.78	38.68	.....
2,915.61	1,704.28	1,432.24	2,148.36	383.48	11,935.58	13,277.45	1,341.87	.....
5,256.41	1,669.47	1,412.21	2,118.32	375.63	16,684.40	16,278.55	.....	405.85
114.92	149.36	123.93	185.90	33.61	809.17	896.89	87.72	.....
1,875.67	954.98	816.18	1,224.27	214.86	8,080.38	9,450.66	1,370.28	.....
1,408.83	842.19	719.78	1,079.67	189.48	5,485.64	6,865.09	1,379.45	.....
481.84	122.84	104.99	157.48	27.64	2,763.99	2,509.60	.....	254.39
3,530.99	1,830.00	1,564.02	2,346.03	411.73	17,598.67	17,677.52	78.85	.....
865.06	674.12	576.14	864.21	151.67	4,581.72	4,688.18	106.46	.....
1,126.31	440.72	367.38	551.07	99.17	3,318.41	3,861.34	542.93	.....
5,075.86	1,532.60	1,309.75	1,964.77	344.82	15,886.26	16,647.93	761.67	.....
3,838.70	1,379.55	1,179.04	1,768.56	310.38	11,695.95	11,037.50	.....	658.45
1,593.82	1,184.13	1,012.03	1,518.04	266.42	6,621.76	7,278.90	657.14	.....
5,136.61	1,436.34	1,180.63	1,770.93	323.24	16,392.79	18,021.02	1,628.23	.....
0,847.53	3,308.95	2,788.32	4,182.49	744.54	33,902.42	37,192.54	3,290.12	.....
2,158.42	907.86	775.91	1,163.86	204.26	6,772.57	7,202.96	430.39	.....

wer districts.

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power the amounts remaining to be credited to certain districts or charged to the adjustment) of the actual costs in the

Rural power districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
London R.P.D.—Westminster, Delaware and London twps.	283,021.21	141,510.61	141,510.60	25,528.23
***Lucan** R.P.D.—Stephen, London, McGillivray and Biddulph twps.	45,931.13	22,922.30	23,008.83	1,419.65
Lynden R.P.D.—Beverly, Ancaster, Brantford and Dumfries twps.	67,011.48	33,505.74	33,505.74	3,187.25
***Markham** R.P.D.—Markham, Scarboro, Pickering and Whitchurch twps.	85,492.35	42,428.66	43,063.69	4,785.32
Milton R.P.D.—Nassagaweya, Esquesing, Trafalgar and Nelson twps.	48,654.90	24,327.45	24,327.45	2,212.80
Milverton R.P.D.—Mornington twp.	24,384.38	12,192.19	12,192.19	793.78
Mitchell R.P.D.—Ellice, Logan and Elma twps.	34,940.91	17,470.46	17,470.45	3,291.08
***Newmarket** R.P.D.—Gwillimbury E., King and Whitchurch twps.	31,019.30	15,151.15	15,868.15	5,877.47
***Niagara** R.P.D.—Niagara twp.	96,929.92	48,138.60	48,791.32	10,821.52
***Norwich** R.P.D.—Norwich N., Norwich S., Dereham, Oxford E., Burford and Windham twps.	115,089.99	56,058.46	59,031.53	6,245.63
Oil Springs R.P.D.—Enniskillen, Dawn and Brooke twps.	18,936.92	9,468.46	9,468.46	1,748.91
***Palmerston** R.P.D.—Maryborough, Wallace and Minto twps.	1,117.76	325.42	792.34	97.74
Petrolia R.P.D.—Plympton and Enniskillen twps.	6,277.20	3,138.60	3,138.60	212.12
Preston R.P.D.—Waterloo, Puslinch, Dumfries N. and Woolwich twps.	182,581.63	91,290.82	91,290.81	12,877.35
Ridgetown R.P.D.—Howard, Orford, Harwich, Aldborough and Rondeau Park twps.	129,688.60	64,844.30	64,844.30	6,736.52
St. Jacobs R.P.D.—Wellesley and Woolwich twps.	41,892.10	20,946.05	20,946.05	4,226.96
St. Marys R.P.D.—Fullerton, Usborne, Blanshard and Downie twps.	106,552.77	53,276.38	53,276.39	1,463.93
St. Thomas R.P.D.—Southwold, Yarmouth, Westminster and Dunwich twps.	161,312.51	80,656.26	80,656.25	10,690.69
Saltfleet R.P.D.—Saltfleet, Barton, Binbrook and Grimsby N. twps.	201,525.40	100,762.70	100,762.70	11,297.78
***Sandwich** R.P.D.—Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps.	235,685.38	117,776.29	117,909.09	21,408.11
***Sarnia** R.P.D.—Sarnia, Moore and Plympton twps.	150,125.36	72,544.96	77,580.40	12,817.79
***Scarboro** R.P.D.—Scarboro, Pickering and York N. twps.	67,508.98	33,477.80	34,031.18	3,091.04

Note.—Items marked * include portions of transmission lines used for purposes of rural

POWER DISTRICTS—Continued *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each district, and Municipalities comprising certain other districts upon ascertainment (by annual year ending October 31, 1928

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
17,892.10	5,862.28	5,010.23	7,515.35	1,318.95	63,127.14	60,393.42	.....	2,733.72
437.43	806.63	687.67	1,031.51	181.48	4,564.37	4,047.99	.....	516.38
1,664.76	1,522.85	1,301.51	1,952.27	342.61	9,971.25	9,074.53	.....	896.72
5,328.31	1,626.53	1,377.52	2,066.26	365.98	15,549.92	16,064.51	514.59	.....
1,853.46	1,110.31	948.93	1,423.40	249.81	7,798.71	8,437.68	638.97	.....
876.61	563.06	481.23	721.84	126.68	3,563.20	3,334.31	.....	228.89
2,478.39	804.76	687.79	1,031.69	181.06	8,474.77	8,858.71	383.94	.....
1,472.46	737.23	615.83	923.74	165.89	9,792.62	10,411.18	618.56	.....
3,965.43	2,003.40	1,699.24	2,548.88	450.76	21,489.23	22,405.13	915.90	.....
4,337.57	2,741.94	2,284.34	3,426.50	617.01	19,652.99	21,271.83	1,618.84	.....
389.33	431.97	369.19	553.78	97.19	3,590.37	3,938.98	348.61	.....
138.62	35.82	21.34	32.00	8.08	333.60	502.82	169.22	.....
133.25	58.08	49.64	74.47	13.07	540.63	530.72	.....	9.91
10,058.79	3,821.68	3,266.22	4,899.33	859.83	35,783.20	35,217.02	.....	566.18
5,010.61	2,522.88	2,156.20	3,234.30	567.62	20,228.13	18,432.50	.....	1,795.63
2,008.88	974.89	833.20	1,249.80	219.34	9,513.07	10,206.35	693.28	.....
1,029.13	576.44	492.66	738.98	129.69	4,430.83	3,406.18	.....	1,024.65
9,351.95	3,007.05	2,570.00	3,855.00	676.55	30,151.24	27,037.33	.....	3,113.91
9,164.74	4,317.78	3,690.21	5,535.32	971.45	34,977.28	32,792.28	.....	2,185.00
22,640.35	5,111.15	4,365.63	6,548.45	1,149.95	61,223.64	68,181.10	6,957.46	.....
9,480.55	3,393.06	2,799.82	4,199.73	763.56	33,454.51	32,596.82	.....	857.69
2,517.18	1,385.09	1,172.78	1,759.17	311.65	10,236.91	10,614.46	377.55	.....

power districts.

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power the amounts remaining to be credited to certain districts or charged to the adjustment) of the actual costs in the

Rural power districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Seaforth R.P.D.—Tuckersmith and McKillop twps.	11,791.40	5,395.84	6,395.56	1,711.65
***Simcoe** R.P.D.—Woodhouse, Charlotteville, Windham and Townsend twps.	49,118.87	23,644.67	25,474.20	3,004.37
Stamford R.P.D.—Stamford and Thorold twps.	23,857.72	11,928.86	11,928.86	1,787.41
Stratford R.P.D.—Elice and Downie twps.	39,588.12	19,536.12	20,052.00	3,991.18
Strathroy R.P.D.—Adelaide and Metcalfe twps.	14,492.85	7,246.43	7,246.42	867.54
Streetsville R.P.D.—Toronto, Trafalgar, Esquesing and Chinguacousy twps.	89,306.13	44,653.07	44,653.06	2,610.27
Tavistock R.P.D.—Easthope N., Easthope S. and Zorra E. twps.	59,335.15	29,667.57	29,667.58	2,351.26
Thamesville R.P.D.—Camden, Euphemia, Zone, Orford, Howard and Chatham twps.	37,324.71	18,662.36	18,662.35	1,516.86
***Tilbury** R.P.D.—Dover, Tilbury E., Tilbury W., Tilbury N., Raleigh and Romney twps.	57,855.48	28,499.91	29,355.57	3,011.45
Tillsonburg R.P.D.—Norwich S., Bayham, Dorchester S., Malahide, Dereham, Middleton, Norwich N. twps.	142,754.72	71,377.36	71,377.36	6,974.51
Wallaceburg R.P.D.—Dover, Chatham and Sombra twps.	84,430.87	42,215.43	42,215.44	4,074.10
***Walsingham** R.P.D. — Walsingham S. and Charlotteville twps.	17,157.73	8,392.10	8,765.63	2,531.37
***Walton** R.P.D.—Wawanosh W., Wawanosh E., McKillop, Morris, Grey, and Hullett twps.	40,490.88	19,838.77	20,652.11	1,714.71
***Waterdown** R.P.D.—Flamboro E., Flamboro W. and Nelson twps.	53,566.80	25,290.62	28,276.18	6,979.34
Waterford R.P.D. — Windham and Townsend twps.	26,216.48	13,108.24	13,108.24	1,876.88
***Welland** R.P.D. — Bertie, Pelham, Thorold, Crowland, Wainfleet, and Humberstone twps.	274,881.23	137,126.25	137,754.98	23,413.75
***Woodbridge** R.P.D.—Toronto, Vaughan, York N., Etobicoke, Toronto Gore, Albion, King, Chinguacousy twps.	215,701.45	106,965.33	108,736.12	10,301.80

Note.—Items marked * include portions of transmission lines used for purposes of rural

POWER DISTRICTS—Continued *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each district, and Municipalities comprising certain other districts upon ascertainment (by annual year ending October 31, 1928

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
960.61	173.78	136.86	205.29	39.10	3,227.29	3,339.76	112.47	.....
2,100.17	925.37	760.70	1,141.06	208.25	8,139.92	8,439.52	299.60	.....
2,641.71	537.96	459.77	689.66	121.04	6,237.55	7,418.86	1,181.31	.....
3,400.77	841.04	708.48	1,062.73	189.22	10,193.42	9,609.34	.....	584.08
527.21	305.51	261.10	391.66	68.74	2,421.76	3,193.70	771.94	.....
2,739.08	1,831.35	1,565.18	2,347.77	412.03	11,505.68	11,679.42	173.74	.....
1,933.32	1,002.40	856.71	1,285.06	225.53	7,654.28	7,188.61	.....	465.67
1,202.74	494.81	422.90	634.35	111.33	4,382.99	3,755.47	.....	627.52
1,591.26	1,067.52	895.36	1,343.04	240.21	8,148.84	8,700.54	551.70	.....
4,778.64	3,060.96	2,616.07	3,924.10	688.68	22,042.96	22,884.23	841.27	.....
3,975.13	1,513.87	1,293.84	1,940.76	340.60	13,138.30	14,497.25	1,358.95	.....
477.35	403.95	337.81	506.72	90.89	4,348.09	4,816.53	468.44	.....
1,449.23	579.14	478.80	718.21	130.32	5,070.41	4,214.91	.....	855.50
2,384.53	1,226.09	988.55	1,482.85	275.96	13,337.32	16,782.41	3,445.09	.....
859.27	602.74	515.14	772.70	135.61	4,762.34	4,696.49	.....	65.85
17,954.70	5,909.26	5,037.82	7,556.72	1,329.51	61,201.76	62,412.36	1,210.60	.....
8,755.39	4,761.52	4,034.25	6,051.38	1,071.35	34,975.69	37,021.02	2,045.33	.....

power districts.

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power amounts remaining to be credited to certain districts or charged to the adjustment) of the actual costs in the

Rural power districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Woodstock R.P.D.—Oxford W., Oxford N., Oxford E., Blandford, Zorra W., and Zorra E. twps	161,032.60	80,516.30	80,516.30	9,878.18
	6,175,122.14		3,107,111.47	
Non-operating capital	59,100.30		59,100.30	
Totals	6,234,222.44	3,068,010.67	3,166,211.77	406,789.20

Note.—Items marked * include portions of transmission lines used for purposes of rural power districts.

WER DISTRICTS—Continued *RURAL OPERATING*

trict, the revenues collected from (or charged to) customers within each district, and the nicipalities comprising certain other districts upon ascertainment (by annual r ending October 31, 1928

tribution costs and fixed charges								
ost of eration, aintence and dminisration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
,318.24	3,422.03	2,924.64	4,386.97	769.91	27,699.97	26,696.46	.....	1,003.51
1,548.45	126,905.13	107,703.56	161,555.34	28,553.37	1,133,055.05	1,166,221.80	57,062.61	23,895.86

Net Credit..... $33,166.75

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	1,598.12			1,598.12
Agincourt	Nov., 1922		130.47	130.47	
Ailsa Craig	Jan., 1916	869.65			869.65
Alvinston	April, 1922	221.49			221.49
Amherstburg	Nov., 1925	2,763.13			2,763.13
Ancaster twp	May, 1923	442.43			442.43
Arkona	Dec., 1926		324.51		
Aylmer	Mar., 1918	1,683.46			1,683.46
Ayr	Jan., 1915	152.78			152.78
Baden	May, 1912	1,200.36			1,200.36
Barton twp	May, 1924		500.62	1.86	
Beachville	Aug., 1912	1,331.82			1,331.82
Belle River	Dec., 1922	1,178.22			1,178.22
Blenheim	Nov., 1915	878.88			878.88
Blyth	July, 1924	331.23			331.23
Bolton	Feb., 1915	1,070.64			1,070.64
Bothwell	Sept., 1915	2,004.78			2,004.78
Brampton	Nov., 1911	8,158.74			8,158.74
Brantford	Feb., 1914	5,420.21			5,420.21
Brantford twp	May, 1924	111.35			111.35
Bridgeport	Mar., 1928				
Brigden	Jan., 1918	175.88			175.88
Brussels	July, 1924	897.74			897.74
Burford	June, 1915	859.48			859.48
Burgessville	Nov., 1916	501.44			501.44
Caledonia	Oct., 1912	256.40			256.40
Campbellville	Jan., 1925	83.97			83.97
Cayuga	Nov., 1924		64.64	64.64	
Chatham	Feb., 1915	5,151.30			5,151.30
Chippawa	Sept., 1919	301.11			301.11
Clifford	May, 1924	245.36			245.36
Clinton	Mar., 1914	673.15			673.15
Comber	May, 1915	402.14			402.14
Cottam	Nov., 1926	204.26			204.26
Courtright	Dec., 1923	268.70			268.70
Dashwood	Sept., 1917	1,403.98			1,403.98
Delaware	Mar., 1915	399.87			399.87
Dorchester	Dec., 1914	1,408.23			1,408.23
Drayton	Mar., 1918	621.22			621.22
Dresden	April, 1915		523.31	523.31	
Drumbo	Dec., 1914	304.89			304.89
Dublin	Oct., 1917	239.61			239.61
Dundas	Jan., 1911	1,547.25			1,547.25
Dunnville	June, 1918	1,056.79			1,056.79
Dutton	Sept., 1915	240.93			240.93

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24.98	.....	1,381.58	.....	1,406.56	.....
.....	2.34	.....	247.36	.....	249.70
21.54	.....	487.31	.....	508.85	.....
4.31	.....	.....	260.57	.....	256.26
52.84	.....	2,309.62	.....	2,362.46	.....
11.25	.....	685.39	.....	696.64	.....
.....	12.98	626.21	.....	288.72	.....
32.38	.....	2,562.93	.....	2,595.31	.....
3.21	.....	377.85	.....	381.06	.....
14.03	.....	1,106.00	.....	1,120.03	.....
.....	19.98	814.50	.....	295.76	.....
31.53	.....	349.78	.....	381.31	.....
20.88	.....	542.78	.....	563.66	.....
15.46	.....	211.09	.....	226.55	.....
7.21	.....	225.71	.....	232.92	.....
23.06	.....	715.34	.....	738.40	.....
60.17	.....	157.84	.....	218.01	.....
85.49	.....	2,087.48	.....	2,172.97	.....
151.75	.....	15,337.19	.....	15,488.94	.....
1.87	.....	454.25	.....	456.12	.....
.....	.....	614.69	.....	614.69	.....
2.75	.....	1,531.19	.....	1,533.94	.....
16.15	.....	612.70	.....	628.85	.....
15.25	.....	1,386.61	.....	1,401.86	.....
12.56	.....	479.74	.....	492.30	.....
4.20	.....	194.22	.....	198.42	.....
1.68	.....	114.85	.....	116.53	.....
.....	1.24	18.21	.....	16.97	.....
87.83	.....	5,781.87	.....	5,869.70	.....
8.62	.....	.....	57.23	.....	48.61
5.28	.....	182.25	.....	187.53	.....
14.49	.....	.....	346.16	.....	331.67
8.66	.....	.....	770.94	.....	762.28
7.25	.....	363.46	.....	370.71	.....
5.86	.....	231.02	.....	236.88	.....
32.15	.....	525.48	.....	557.63	.....
11.27	.....	176.69	.....	187.96	.....
38.71	.....	452.49	.....	491.20	.....
12.08	.....	.....	334.06	.....	321.98
.....	8.64	.....	895.77	.....	904.41
6.95	.....	332.91	.....	339.86	.....
3.88	.....	305.05	.....	308.93	.....
25.53	.....	1,804.33	.....	1,829.86	.....
15.60	.....	3,854.33	.....	3,869.93	.....
4.28	.....	891.57	.....	895.85	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Elmira	Nov., 1913	2,476.99			2,476.99
Elora	Nov., 1914	922.39			922.39
Embro	Jan., 1915		57.20		742.64
Erieau	July, 1924	375.30			375.30
Erie Beach	July, 1925	94.78			94.78
Essex	Nov., 1923	1,996.43			1,996.43
Etobicoke twp	Aug., 1917	4,172.06			4,172.06
Exeter	June, 1916	2,415.37			2,415.37
Fergus	Nov., 1914	1,418.43			1,418.43
Fonthill	June, 1926	120.41			120.41
Ford City	Nov., 1922	8,169.11			8,169.11
Forest	Mar., 1917	2,914.09			2,892.69
Galt	May, 1911	11,221.68			11,221.68
Georgetown	Sept., 1913	2,034.74			2,034.74
Glencoe	Aug., 1920	1,805.84			1,805.84
Goderich	Feb., 1914	3,044.45			3,044.45
Granton	July, 1916	1,137.34			1,137.34
Guelph	Dec., 1910	10,874.61			10,874.61
Hagersville	Sept., 1913	2,973.42			2,973.42
Hamilton	Feb., 1911	19,224.66			
Harriston	July, 1916	863.04			863.04
Harrow	Nov., 1923	2,677.90			2,677.90
Hensall	Jan., 1917	2,101.89			2,101.89
Hespeler	Feb., 1911	2,588.39			2,588.39
Highgate	Dec., 1916	634.00			634.00
Humberstone	Oct., 1924	93.89			93.89
Ingersoll	May, 1911	3,948.66			3,948.66
Jarvis	Feb., 1924	1,250.36			1,250.36
Kingsville	Nov., 1923	2,691.05			2,691.05
Kitchener	Jan., 1911	8,278.90			8,278.90
Lambeth	April, 1915	1,692.42			1,692.42
La Salle	Nov., 1925	607.65			607.65
Leamington	Nov., 1923	5,990.88			5,990.88
Listowel	June, 1916	1,393.57			1,393.57
London	Jan., 1911	19,985.57			
London Railway Commission	Aug., 1914		16,926.90	16,926.90	
London twp	Jan., 1925	776.96			776.96
Lucan	Feb., 1915	784.22			784.22
Lynden	Nov., 1915	675.95			675.95
Markham	April, 1920	956.60			956.60
Merlin	Dec., 1922	1,303.18			1,303.18
Merritton	Nov., 1920	263.86			263.86
Milton	April, 1913	253.76			253.76
Milverton	June, 1916	1,236.37			1,236.37
Mimico	May, 1912	2,021.37			2,021.37

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
48.19	.....	1,674.57	.....	1,722.76	.....
15.02	.....	1,218.64	.....	1,233.66	.....
.....	28.43	815.30	.....	.....	12.97
6.44	.....	133.80	.....	140.24	.....
2.33	.....	.....	22.96	.....	20.63
48.77	.....	1,559.71	.....	1,608.48	.....
46.87	.....	5,003.44	.....	5,050.31	.....
43.39	.....	2,553.44	.....	2,596.83	.....
32.19	.....	1,277.15	.....	1,309.34	.....
2.22	.....	.....	8.62	.....	6.40
134.81	.....	7,419.35	.....	7,554.16	.....
55.18	.....	1,023.94	.....	1,100.52	.....
207.26	.....	16,926.12	.....	17,133.38	.....
38.92	.....	1,729.02	.....	1,767.94	.....
34.85	.....	317.60	.....	352.45	.....
36.28	.....	.....	2,512.26	.....	2,475.98
25.72	.....	367.05	.....	392.77	.....
180.65	.....	14,558.36	.....	14,739.01	.....
64.50	.....	1,814.98	.....	1,879.48	.....
768.99	.....	77,936.27	.....	97,929.92	.....
15.37	.....	1,137.83	.....	1,153.20	.....
63.24	.....	2,044.07	.....	2,107.31	.....
63.26	.....	651.57	.....	714.83	.....
46.75	.....	3,513.72	.....	3,560.47	.....
15.22	.....	62.28	.....	77.50	.....
2.05	.....	.....	166.11	.....	164.06
64.30	.....	6,595.63	.....	6,659.93	.....
31.76	.....	159.99	.....	191.75	.....
44.21	.....	2,065.01	.....	2,109.22	.....
110.38	.....	23,253.45	.....	23,363.83	.....
27.94	.....	622.15	.....	650.09	.....
10.46	.....	1,156.26	.....	1,166.72	.....
114.16	.....	5,075.51	.....	5,189.67	.....
25.28	.....	1,768.30	.....	1,793.58	.....
799.42	.....	34,353.01	.....	55,138.00	.....
31.19	.....	3,494.75	.....	3,525.94	.....
16.98	.....	959.24	.....	976.22	.....
15.64	.....	659.17	.....	674.81	.....
16.82	.....	107.04	.....	123.86	.....
22.15	.....	1,612.08	.....	1,634.23	.....
22.60	.....	.....	581.97	.....	559.37
4.85	.....	354.65	.....	359.50	.....
4.30	.....	.....	937.24	.....	932.94
24.59	.....	1,899.82	.....	1,924.41	.....
35.57	.....	3,217.89	.....	3,253.46	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Mitchell	Sept., 1911	991.78			991.78
Moorefield	Mar., 1918	508.17			508.17
Mount Brydges	Mar., 1915	402.23			402.23
Newbury	Mar., 1921	386.61			386.61
New Hamburg	Mar., 1911	438.75			438.75
New Toronto	Feb., 1914	6,608.40			6,608.40
Niagara Falls	Dec., 1915		4,039.19	4,039.19	
Niagara-on-Lake	Aug., 1919	17.36			17.36
Norwich	May, 1912	657.65			657.65
Oil Springs	Feb., 1918	7.95			7.95
Otterville	Feb., 1916	1,178.46			1,178.46
Palmerston	July, 1916	1,231.24			1,231.24
Paris	Feb., 1914	439.67			439.67
Parkhill	May, 1920	1,128.04			1,128.04
Petrolia	May, 1916	2,962.48			2,962.48
Plattsville	Dec., 1914	468.15			468.15
Point Edward	Nov., 1916	2,441.93			2,441.93
Port Colborne	Mar., 1920	559.66			559.66
Port Credit	Aug., 1912	126.65			126.65
Port Dalhousie	Nov., 1912	465.58			465.58
Port Dover	Dec., 1921	245.11			245.11
Port Rowan	Nov., 1926		1,130.81		
Port Stanley	April, 1912	916.30			916.30
Preston	Jan., 1911	2,285.25			2,285.25
Princeton	Jan., 1915	943.14			943.14
Queenston	Mar., 1921		389.15	25.80	
Richmond Hill	June, 1925	512.87			512.87
Ridgetown	Dec., 1915	1,604.12			1,604.12
Riverside	Nov., 1922	6,489.36			6,489.36
Rockwood	Sept., 1913	709.47			709.47
Rodney	Feb., 1917	147.13			147.13
St. Catharines	April, 1914		4,980.98	4,980.98	
St. Clair Beach	Nov., 1922	520.88			520.88
St. George	Sept., 1915	381.72			381.72
St. Jacobs	Sept., 1917	399.01			399.01
St. Marys	May, 1911	4,844.48			4,844.48
St. Thomas	April, 1911		4,676.61	4,676.61	
Sandwich	Feb., 1924	9,323.95			9,323.95
Sarnia	Dec., 1916	29,636.02			29,636.02
Scarboro twp	Aug., 1918	2,007.30			2,007.30
Seaforth	Nov., 1911	1,424.80			1,424.80
Simcoe	Aug., 1915		1,278.29	1,278.29	
Springfield	Aug., 1917	763.84			763.84
Stamford twp	Nov., 1916	1,094.82			1,094.82
Stouffville	Sept., 1923	1,342.71			1,342.71

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
16.81	.....	265.08	.....	281.89	.....
9.87	.....	289.56	.....	299.43	.....
8.71	.....	220.56	.....	229.27	.....
9.53	.....	29.84	.....	39.37	.....
8.77	.....	1,924.61	.....	1,933.38	.....
107.61	.....	10,364.26	.....	10,471.87	.....
.....	114.27	519.84	.....	405.57	.....
.38	.....	1,282.21	.....	1,282.59	.....
15.33	.....	1,593.38	.....	1,608.71	.....
.18	.....	.....	572.34	.....	572.16
34.39	.....	504.35	.....	538.74	.....
19.51	.....	1,776.46	.....	1,795.97	.....
7.49	.....	2,691.58	.....	2,699.07	.....
17.75	.....	1,303.72	.....	1,321.47	.....
54.49	.....	1,416.67	.....	1,471.16	.....
7.73	.....	335.76	.....	343.49	.....
59.66	.....	425.12	.....	484.78	.....
9.25	.....	233.77	.....	243.02	.....
1.99	.....	84.40	.....	86.39	.....
10.02	.....	1,041.14	.....	1,051.16	.....
4.58	.....	771.42	.....	776.00	.....
.....	45.23	.....	220.75	.....	1,396.79
18.67	.....	1,613.16	.....	1,631.83	.....
43.71	.....	4,621.58	.....	4,665.29	.....
17.37	.....	488.47	.....	505.84	.....
.....	15.03	111.37	.....	.....	267.01
9.88	.....	1,536.76	.....	1,546.64	.....
29.98	.....	132.90	.....	162.88	.....
107.09	.....	3,603.51	.....	3,710.60	.....
13.00	.....	947.88	.....	960.88	.....
2.52	.....	425.31	.....	427.83	.....
.....	90.37	.....	1,588.84	.....	1,679.21
8.60	.....	339.64	.....	348.24	.....
7.38	.....	1,001.61	.....	1,008.99	.....
7.50	.....	601.44	.....	608.94	.....
109.48	.....	2,759.42	.....	2,868.90	.....
.....	123.69	8,717.31	.....	8,593.62	.....
181.38	.....	7,745.64	.....	7,927.02	.....
459.77	.....	5,987.10	.....	6,446.87	.....
33.63	.....	4,166.22	.....	4,199.85	.....
28.03	.....	.....	75.27	.....	47.24
.....	23.89	2,006.10	.....	1,982.21	.....
18.61	.....	467.16	.....	485.77	.....
17.11	.....	1,152.79	.....	1,169.90	.....
33.10	.....	1,470.21	.....	1,503.31	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Stratford	Jan., 1911	11,824.13			11,824.13
Strathroy	Dec., 1914	1,764.69			1,764.69
Sutton	Aug., 1923		8.19	8.19	
Tavistock	Nov., 1916	2,080.81			2,080.81
Tecumseh	Nov., 1922	1,522.43			1,522.43
Thamesford	Feb., 1914	806.53			806.53
Thamesville	Oct., 1915	2,175.17			2,175.17
Thedford	May, 1922	594.99			594.99
Thorndale	Mar., 1914	538.25			538.25
Thorold	Jan., 1921	570.69			570.69
Tilbury	April, 1915	743.84			743.84
Tillsonburg	Aug., 1911	707.03			707.03
Toronto	June, 1911	80,799.26			80,799.26
Toronto twp	Aug., 1913	1,149.43			1,149.43
Walkerville	Nov., 1914	14,740.10			14,740.10
Wallaceburg	Feb., 1915	4,564.79			4,564.79
Wardsville	June, 1921	371.33			371.33
Waterdown	Nov., 1911	2,862.85			2,862.85
Waterford	April, 1915	250.48			250.48
Waterloo	Dec., 1910	3,467.19			3,467.19
Watford	Sept., 1917	1,223.64			1,223.64
Welland	Sept., 1917	1,861.73			1,861.73
Wellesley	Nov., 1916	301.66			301.66
West Lorne	Jan., 1917	163.13			163.13
Weston	Jan., 1911	3,761.38			3,761.38
Wheatley	Feb., 1924	2,574.41			969.70
Windsor	Oct., 1914	42,357.09			42,357.09
Woodbridge	Dec., 1914		214.41	214.41	
Woodstock	Jan., 1911	15,267.43			15,267.43
Wyoming	Nov., 1916	671.20			671.20
York East twp	July, 1925	430.87			430.87
York North twp	Nov., 1923	2,355.66			2,355.66
Zurich	Sept., 1917	1,247.29			1,247.29
Toronto Transport'n Commission	Jan., 1927	3,290.61			
RURAL POWER DISTRICTS					
Acton R.P.D.—Esquesing twp.	Feb., 1928				
Amherstburg R.P.D. — Anderdon, Malden, Colchester N. and Colchester S. twps	Nov., 1923	8,613.24			1,857.62
Aylmer R.P.D.—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps	Nov., 1922	2,140.91			2,686.23
Ayr R.P.D.—Dumfries N. and Blenheim twps	July, 1926	309.65			282.67

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
183.50	.....	16,431.14	.....	16,614.64	.....
29.89	.....	2,434.74	.....	2,464.63	.....
.....	.20	811.55	.....	811.35	.....
36.71	.....	1,522.54	.....	1,559.25	.....
25.12	.....	1,061.54	.....	1,086.66	.....
13.85	.....	1,194.93	.....	1,208.78	.....
58.77	.....	67.39	.....	126.16	.....
10.46	.....	497.53	.....	507.99	.....
13.20	.....	386.71	.....	399.91	.....
10.48	.....	1,063.80	.....	1,074.28	.....
12.52	.....	.....	248.22	.....	235.70
11.90	.....	2,965.47	.....	2,977.37	.....
1,607.15	.....	237,410.76	.....	239,017.91	.....
21.23	.....	2,216.40	.....	2,237.63	.....
243.25	.....	17,812.43	.....	18,055.68	.....
102.27	.....	3,409.87	.....	3,512.14	.....
9.16	.....	272.06	.....	281.22	.....
58.10	.....	514.04	.....	572.14	.....
6.32	.....	908.20	.....	914.52	.....
55.70	.....	6,582.08	.....	6,637.78	.....
28.25	.....	504.41	.....	532.66	.....
42.33	.....	2,206.93	.....	2,249.26	.....
5.72	.....	323.50	.....	329.22	.....
3.03	.....	1,150.79	.....	1,153.82	.....
80.98	.....	5,602.40	.....	5,683.38	.....
87.56	.....	665.67	.....	2,357.94	.....
759.19	.....	35,466.75	.....	36,225.94	.....
.....	6.28	738.28	.....	732.00	.....
328.71	.....	10,861.39	.....	11,190.10	.....
13.89	.....	113.65	.....	127.54	.....
7.16	.....	3,375.55	.....	3,382.71	.....
41.45	.....	4,293.53	.....	4,334.98	.....
24.70	.....	574.58	.....	599.28	.....
131.62	.....	9,098.70	.....	12,520.93	.....
.....	.....	.....	23.58	.....	23.58
344.54	.....	1,066.43	.....	8,166.59	.....
85.64	.....	904.98	.....	445.30	.....
12.39	.....	453.01	.....	492.38	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1928		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Baden R.P.D.—Wilmot, Zorra E., Easthope S., Easthope N., Wellesley, Waterloo and Blenheim twps	Sept., 1922	1,215.13	.....	.....	1,983.00
Beamsville R.P.D.—Grimsby N., Gainsboro, Clinton and Louth twps	Jan., 1923	10,930.28	.....	.....	4,529.24
Belle River R.P.D.—Maidstone and Rochester twp	Dec., 1922	6,107.44	.....	.....	1,208.25
Blenheim R.P.D.—Raleigh and Harwich twps	July, 1924	2,046.05	.....	.....	1,225.01
Bond Lake R.P.D. — King, Vaughan, Markham and Whitchurch twps	Mar., 1924	15,841.76	.....	.....	2,866.73
Bothwell R.P.D.—Ekfrid, Zone, Orford, Aldborough and Mosa twps	Dec., 1923	45.08	.....	3,999.96	.....
Brampton R.P.D.—Chinguacousy and Toronto twps	Nov., 1923	974.74	.....	.....	1,099.22
Brant R.P.D.—Brantford, Burford, Blenheim, Dumfries S., Onondaga and Oakland twps	Oct., 1922	1,557.43	.....	.....	1,906.37
Bridgen R.P.D. — Moore and Sombra twps	Jan., 1927	.....	80.91	.....	653.02
Burford R.P.D.—Burford, Brantford and Oakland twps	Dec., 1926	.....	340.47	.....	584.89
Caledonia R.P.D. — Ancaster, Glandford, Oneida, Binbrook, Caister and Barton twps	Oct., 1925	.....	1,210.63	.....	1,236.57
Chatham R.P.D.—Dover, Chatham, Raleigh and Harwich twps.	May, 1922	4,736.23	.....	.....	2,988.28
Chippawa R.P.D.—Willoughby and Bertie twps	July, 1922	.....	23.33	.....	827.00
Clinton R.P.D.—Goderich and Stanley twps	July, 1928	.....	.....	.....	.....
Delaware R.P.D. — Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps	Oct., 1922	4,799.59	.....	.....	3,195.69
Dorchester R.P.D.—London, Nissouri W., Nissouri E., Oxford N., Dorchester N., Dorchester S., Westminster and Yarmouth twps	Dec., 1921	5,111.03	.....	.....	3,844.54
Dresden R.P.D.—Camden and Chatham twps	May, 1928	.....	.....	.....	.....
Drumbo R.P.D.—Blenheim, Burford and Blandford twps	Aug., 1922	1,451.04	.....	.....	812.02
Dundas R.P.D.—Flamboro W., Beverly, Ancaster and Flamboro E. twps	Jan., 1922	1,926.72	.....	.....	3,264.50

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
48.60	.....	1,075.48	.....	356.21	.....
437.21	.....	1,708.09	.....	8,546.34	.....
244.72	.....	3,625.93	.....	8,769.84	.....
81.76	.....	1,324.83	.....	2,227.63	.....
632.65	.....	3,938.91	.....	17,546.59	.....
171.97	.....	799.40	.....	5,016.41	.....
38.99	.....	211.77	.....	126.28	.....
62.30	.....	.....	902.40	.....	1,189.04
.....	3.24	.....	111.15	.....	848.32
.....	13.62	541.75	.....	.....	397.23
.....	48.42	.....	250.95	.....	2,746.57
189.15	.....	729.75	.....	2,666.85	.....
.....	0.93	773.29	.....	.....	77.97
.....	.....	.....	363.15	.....	363.15
191.10	.....	.....	1,024.53	770.47	.....
203.91	.....	.....	2,336.50	.....	866.10
.....	.....	.....	19.19	.....	19.19
58.04	.....	28.83	.....	725.89	.....
77.07	.....	1,690.00	.....	429.29	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1928		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Dunnville R.P.D.—Moulton twp.	July, 1928	.....	.....	.....	.....
Dutton R.P.D.—Dunwich and Aldborough twp	Feb., 1926	309.75	.....	.....	390.29
Elmira R.P.D.—Woolwich twp...	June, 1926	395.33	.....	.....	176.92
Elora R.P.D.—Pilkington, Nichol, Garafraxa W and Peel twps....	Jan., 1926	850.28	.....	.....	430.23
Essex R.P.D. — Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N., and Gosfield S. twps	Nov., 1924	1,842.18	.....	.....	1,790.30
Exeter R.P.D.—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps	Nov., 1922	4,250.88	.....	.....	1,774.43
Forest R.P.D.—Warwick, Bosanquet, Williams W. and Adelaide twps	Nov. 1926	.....	127.38	.....	154.92
Galt R.P.D.—Dumfries N. and Dumfries S. twps	Oct., 1922	1,785.56	.....	.....	1,020.22
Georgetown R.P.D.—Esquesing and Chinguacousy twps	Nov., 1924	620.25	.....	.....	899.72
Goderich R.P.D.—Colborne and Goderich twps	June, 1925	757.33	.....	.....	131.23
Grantham R.P.D.—Grantham and Niagara twps	Nov., 1924	2,276.58	.....	.....	1,955.02
Guelph R.P.D.—Guelph and Puslinch twps	Jan., 1925	307.07	.....	.....	844.09
Haldimand R.P.D. — Walpole, Rainham, Cayuga N. and Oneida twps	Oct., 1925	1,796.09	.....	.....	459.22
Harrow R.P.D.—Colchester S. and Malden twps	Nov., 1923	2,161.47	.....	.....	1,637.31
Ingersoll R.P.D.—Dorchester N., Dereham, Oxford N., Zorra W. and Oxford W. twps	Oct., 1922	496.55	.....	.....	1,518.88
Jordan R.P.D.—Louth and Thorold twps	May, 1922	543.50	.....	.....	534.13
Keswick R.P.D.—Georgina and Gwillimbury twps	Mar., 1924	4,087.58	.....	.....	1,482.50
Kingsville R.P.D.—Gosfield N., Gosfield S., Mersey and Romney twps	Nov., 1923	9,230.78	.....	.....	3,485.40
Lansing R.P.D.—York North and Vaughan twps	Mar., 1924	3,288.78	.....	.....	.....
Listowel R.P.D. — Wallace and Elma twps	Oct., 1926	834.59	.....	.....	969.88
London R.P.D. — Westminster, Delaware and London twps....	Nov., 1922	23,860.46	.....	.....	6,262.78
Lucan R.P.D.—Stephen, London, McGillivray and Biddulph twps.	June, 1926	853.22	.....	.....	859.59

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	14.91	.....	14.91
12.39	.....	511.00	.....	442.85	.....
15.81	.....	268.01	.....	502.23	.....
34.01	.....	38.68	.....	492.74	.....
73.69	.....	1,341.87	.....	1,467.44	.....
169.70	.....	.....	405.85	2,240.30	.....
.....	5.10	87.72	.....	.....	199.68
71.42	.....	1,370.28	.....	2,207.04	.....
24.81	.....	1,379.45	.....	1,124.79	.....
30.29	.....	.....	254.39	402.00	.....
91.06	.....	78.85	.....	491.47	.....
8.57	.....	106.46	.....	.....	421.99
71.84	.....	542.93	.....	1,951.64	.....
86.46	.....	761.67	.....	1,372.29	.....
19.71	.....	.....	658.45	.....	1,661.07
36.36	.....	657.14	.....	702.87	.....
163.34	.....	1,628.23	.....	4,396.65	.....
369.23	.....	3,290.12	.....	9,404.73	.....
131.55	.....	.....	.....	3,420.33	.....
33.38	.....	430.39	.....	328.48	.....
954.42	.....	.....	2,733.72	15,818.38	.....
34.13	.....	.....	516.38	.....	488.62

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Rural Power District	Date commenced operating	Net credit or charge at October 31, 1928		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Lynden R.P.D.—Beverly, Ancaster, Brantford and Dumfries twps	Feb., 1922	2,102.78			1,626.89
Markham R.P.D. — Markham, Scarboro, Pickering and Whitchurch twps	Dec., 1922	4,025.11			1,721.88
Milton R.P.D. — Nassagaweya, Esquesing, Trafalgar and Nelson twps	Jan., 1925	1,780.56			1,186.16
Milverton R.P.D.—Mornington twp	Aug., 1927	22.46			601.53
Mitchell R.P.D.—Ellice, Logan and Elma twp	Dec., 1925	1,324.33			859.74
Newmarket R.P.D. — Gwillimbury E., King and Whitchurch twps	Mar., 1924	2,168.64			769.78
Niagara R.P.D.—Niagara twp	Jan., 1922	11,947.09			2,244.51
Norwich R.P.D.—Norwich N., Norwich S., Dereham, Oxford E. Burford and Windham twps	May, 1925	4,670.87			2,855.41
Oil Springs R.P.D.—Enniskillen, Dawn and Brooke twps	Dec., 1925	1,309.95			461.48
Palmerston R.P.D.—Maryborough, Wallace and Minto twps	Oct., 1926	20.97			26.67
Petrolia R.P.D.—Plympton and Enniskillen twps	Aug., 1923		420.16		62.06
Preston R.P.D.—Waterloo, Puslinch, Dumfries N. and Woolwich twps	April, 1922	10,786.35			4,099.75
Ridgetown R.P.D.—Howard, Orford, Harwich, Aldborough and Rondeau Park twps	Mar., 1922	5,315.71			2,695.25
St. Jacobs R.P.D.—Wellesley and Woolwich twps	Nov., 1922	3,652.26			1,056.31
St. Marys R.P.D.—Fullerton, Usborne, Blanshard and Downie twps	Dec., 1927				
St. Thomas R.P.D.—Southwold, Yarmouth, Westminster and Dunwich twps	Aug., 1923	8,238.71			3,188.20
Saltfleet R.P.D.—Saltfleet, Barton, Binbrook and Grimsby N. twps	Feb., 1922	2,661.31			5,823.52
Sandwich R.P.D.—Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps	July, 1922	23,914.25			5,435.85
Sarnia R.P.D.—Sarnia, Moore and Plympton twps	June, 1923	6,422.70			3,502.77

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
84.11	.....	.....	896.72	.....	336.72
161.01	.....	514.59	.....	2,978.83	.....
71.22	.....	638.97	.....	1,304.59	.....
0.90	.....	.....	228.89	.....	807.06
52.97	.....	383.94	.....	901.50	.....
86.75	.....	618.56	.....	2,104.17	.....
477.88	.....	915.90	.....	11,096.36	.....
186.83	.....	1,618.84	.....	3,621.13	.....
52.40	.....	348.61	.....	1,249.48	.....
0.84	.....	169.22	.....	164.36	.....
.....	16.81	.....	9.91	.....	508.94
430.83	.....	.....	566.18	6,551.25	.....
212.63	.....	.....	1,795.63	1,037.46	.....
145.76	.....	693.28	.....	3,434.99	.....
.....	.....	.....	1,024.65	.....	1,024.65
330.44	.....	.....	3,113.91	2,267.04	.....
94.83	.....	.....	2,185.00	.....	5,252.38
958.35	.....	6,957.46	.....	26,394.21	.....
256.80	.....	.....	857.69	2,319,04	.....

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Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1928, and the accumulated amount standing

Rural Power District	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Scarboro R.P.D.—Scarboro, Pickering and York North twps.....	Dec., 1923	799.70	.....	.....	1,510.65
Seaforth R.P.D.—Tuckersmith, and McKillop twps.....	Nov., 1927	.....	.....	.....	.....
Simcoe R.P.D. — Woodhouse, Charlotteville, Windham and Townsend twps.....	Nov., 1922	699.07	.....	.....	950 88
Stamford R.P.D.—Stamford and Thorold twps.....	Mar., 1922	4,688.06	.....	.....	574.72
Stratford R.P.D. — Ellice and Downie twps.....	July, 1924	1,283.87	.....	.....	885.61
Strathroy R.P.D.—Adelaide twp.	Dec., 1926	528.71	.....	.....	326.38
Streetsville R.P.D.—Toronto, Trafalgar, Esquesing and Chinguacousy twps.....	Nov., 1922	1,982.76	.....	.....	1,956.47
Tavistock R.P.D.—Easthope N., Easthope S. and Zorra E. twps.	April, 1923	349.15	.....	.....	1,070.88
Thamesville R.P.D. — Camden, Euphemia, Zone, Orford, Howard and Chatham twps.....	Nov., 1927	.....	.....	.....	.....
Tilbury R.P.D.—Dover, Tilbury E., Tilbury W., Tilbury N., Raleigh and Romney twps.....	Dec., 1923	863.79	.....	.....	1,119.20
Tillsonburg R.P.D.—Norwich S., Bayham, Dorchester S., Malahide, Dereham, Middleton and Norwich N. twps.....	Dec., 1923	7,862.14	.....	.....	3,270.08
Wallaceburg R.P.D. — Dover, Chatham and Sombra twps....	Jan., 1923	4,308.65	.....	.....	1,819.17
Walsingham R.P.D.—Walsingham S. and Charlotteville twps.	Dec., 1926	.....	1,409.55	.....	366.97
Walton R.P.D.—Wawanosh W., Wawanosh E., McKillop, Morris, Grey and Hullett twps.....	Nov., 1924	173.81	.....	.....	598.51
Waterdown R.P.D. — Flamboro E., Flamboro W. and Nelson twps.....	Oct., 1922	3,690.89	.....	.....	1,447.73
Waterford R.P.D. — Windham and Townsend twps.....	Nov., 1923	.....	1,538.56	.....	643.92
Welland R.P.D.—Bertie, Pelham, Thorold, Crowland, Wainfleet and Humberstone twps.....	Apr., 1922	12,369.12	.....	.....	6,297.27
Woodbridge R.P.D. — Toronto, Vaughan, York North, Etobicoke, Toronto Gore, Albion, King and Chinguacousy twps...	Jan., 1923	6,544.25	.....	.....	5,042.82
Woodstock R.P.D.—Oxford W., Oxford N., Oxford E., Blandford, Zorra W. and Zorra E. twps....	Feb., 1922	8,809.84	.....	.....	3,655.81
Totals.....	.....	754,449.07	40,396.27	36,870.61	570,975.09

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
30.79	.....	377.55	.....	.....	302.61
.....	.....	112.47	.....	112.47	.....
27.96	.....	299.60	.....	75.75	.....
187.52	.....	1,181.31	.....	5,482.17	.....
51.35	.....	.....	584.08	.....	134.47
21.15	.....	771.94	.....	995.42	.....
79.31	.....	173.74	.....	279.34	.....
13.97	.....	.....	465.67	.....	1,173.43
.....	.....	.....	627.52	.....	627.52
34.55	.....	551.70	.....	330.84	.....
314.49	.....	841.27	.....	5,747.82	.....
166.94	.....	1,358.95	.....	4,015.37	.....
.....	56.01	468.44	.....	.....	1,364.09
6.95	.....	.....	855.50	.....	1,273.25
144.09	.....	3,445.09	.....	5,832.34	.....
.....	61.54	.....	65.85	.....	2,309.87
494.76	.....	1,210.60	.....	7,777.21	.....
261.77	.....	2,045.33	.....	3,808.53	.....
352.39	.....	.....	1,003.51	4,502.91	.....
21,043.84	698.24	787,949.90	33,742.53	990,179.07	35,677.78

NIAGARA SYSTEM

Reserve for Renewals—October 31, 1928

Total provision for renewals to October 31, 1927	$9,158,835.12	
Deduct:		
Expenditures to October 31, 1927	708,957.96	
Balance brought forward October 31, 1928		$8,449,877.16
Added during the year ending October 31, 1928:		
Amounts charged to municipalities as part of the cost of power delivered to them	$703,419.79	
Amounts included in costs of distribution of power within rural power districts	107,703.56	
Provision against equipment employed in respect of contracts with private companies which purchased power	204,239.91	
Reserve created in respect of lines taken over and converted into rural power districts	12,453.46	
Reserve provided in respect of certain rural lines transferred to rural power districts	4,615.42	
Interest at 4% per annum on the monthly balances at the credit of the account	338,308.14	
		1,370,740.28
		$9,820,617.44
Deduct:		
Provision for renewals allowed on plant sold	$1,434.27	
Expenditures during the year ending October 31, 1928	74,254.08	
		75,688.35
Balance carried forward October 31, 1928		$9,744,929.09

NIAGARA SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward October 31, 1927		$5,295,646.85
Interest on additional provision for obsolescence and contingencies provided in year 1927 in respect of rural power districts		1,963.38
		$5,297,610.23
Added during the year ending October 31, 1928:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$1,925,829.41	
Amounts included in the costs of distribution of power within rural power districts	161,555.34	
Provision against equipment employed in respect of contracts with private customers which purchased power	770,110.27	
Additional provision for obsolescence and contingencies in respect of rural power districts	132,854.90	
Interest at 4% per annum on monthly balances at the credit of the account	211,848.62	
		3,202,198.54
		$8,499,808.77
Deduct:		
Proportionate share of expenditures with interest thereon in the years 1909 to 1925 made by the Commission out of advances by the province for the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein—payment made in October, 1928	$1,218,559.35	
Provision for contingencies on plant sold	1,394.80	
Expenditures during the year ending October 31, 1928	25,637.00	
		1,245,591.15
Balance carried forward October 31, 1928		$7,254,217.62

NIAGARA SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Municipality	Period of years ending Oct. 31, 1928	Amount	Municipality	Period of years ending Oct. 31, 1928	Amount
		$ c.			$ c.
Acton	11 years	17,120.40	Elmira	10 years	25,415.07
Agincourt	4 "	1,800.74	Elora	9 "	12,441.99
Ailsa Craig	8 "	5,604.13	Embro	9 "	3,694.26
Alvinston	5 "	4,741.41	Erieau	5 "	1,010.73
Amherstburg	11 "	12,644.62	Erie Beach	4 "	266.83
Ancaster twp	5 "	5,522.31	Essex	5 "	7,406.82
Arkona	2 "	751.50	Etobicoke twp	6 "	37,756.77
Aylmer	5 "	11,300.89	Exeter	7 "	12,309.77
Ayr	9 "	4,115.05	Fergus	9 "	13,176.91
Baden	11 "	11,569.83	Fonthill	3 "	755.74
Barton twp	5 "	9,626.32	Ford City	6 "	55,429.02
Beachville	11 "	14,434.87	Forest	6 "	7,850.59
Belle River	6 "	2,194.10	Galt	12 "	173,337.02
Blenheim	8 "	11,432.63	Georgetown	10 "	29,810.67
Blyth	5 "	1,995.64	Glencoe	5 "	4,994.55
Bolton	8 "	6,566.72	Goderich	9 "	38,570.40
Bothwell	8 "	7,290.66	Granton	7 "	2,677.91
Brampton	12 "	49,408.83	Guelph	12 "	200,761.75
Brantford	9 "	249,124.27	Hagersville	10 "	25,852.19
Brantford twp	5 "	5,701.36	Hamilton	12 "	901,563.10
Bridgeport	1 "	324.44	Harriston	7 "	10,243.59
Brigden	6 "	3,691.87	Harrow	5 "	3,950.29
Brussels	5 "	3,000.58	Hensall	7 "	4,103.33
Burford	8 "	4,060.00	Hespeler	12 "	26,456.30
Burgessville	7 "	1,605.81	Highgate	7 "	3,331.01
Caledonia	11 "	6,135.21	Humberstone	5 "	3,698.69
Campbellville	4 "	288.60	Ingersoll	12 "	57,318.21
Cayuga	4 "	1,968.78	Jarvis	5 "	3,402.01
Chatham	8 "	121,413.54	Kingsville	5 "	10,261.76
Chippawa	6 "	5,225.68	Kitchener	12 "	372,432.46
Clifford	5 "	1,360.21	Lambeth	8 "	2,664.34
Clinton	9 "	14,304.22	La Salle	3 "	1,855.77
Comber	8 "	6,613.84	Leamington	5 "	14,873.48
Cottam	2 "	434.81	Listowel	7 "	20,316.27
Courtright	5 "	1,349.24	London	12 "	676,862.62
Dashwood	6 "	2,685.10	London Ry. Comm.	9 "	49,962.04
Delaware	8 "	792.45	London twp	4 "	2,378.45
Dorchester	9 "	2,076.23	Lucan	8 "	6,835.38
Drayton	5 "	3,350.59	Lynden	8 "	5,544.62
Dresden	8 "	9,398.25	Markham	5 "	4,179.32
Drumbo	9 "	1,907.89	Merlin	5 "	3,561.46
Dublin	6 "	1,764.90	Merritton	7 "	14,619.32
Dundas	12 "	47,956.43	Milton	10 "	38,783.94
Dunnville	5 "	15,312.84	Milverton	7 "	16,610.50
Dutton	8 "	5,912.70	Mimico	11 "	36,435.26

NIAGARA SYSTEM—Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Municipality	Period of years ending Oct. 31, 1928	Amount	Municipality	Period of years ending Oct. 31, 1928	Amount
		$ c.			$ c.
Mitchell	12 years	13,920.87	Stratford	12 years	180,096.25
Moorefield	5 "	1,819.22	Strathroy	9 "	25,390.00
Mount Brydges	8 "	1,899.39	Sutton	5 "	2,647.87
Newbury	5 "	1,165.58	Tavistock	7 "	12,460.14
New Hamburg	12 "	16,532.49	Tecumseh	6 "	4,928.40
New Toronto	9 "	121,562.92			
Niagara Falls	8 "	166,688.21	Thamesford	9 "	5,393.20
Niagara-on-Lake	5 "	7,759.93	Thamesville	8 "	4,923.02
Norwich	11 "	12,752.94	Thedford	5 "	2,315.72
Oil Springs	5 "	8,623.12	Thorndale	9 "	3,084.30
			Thorold	6 "	17,274.04
Otterville	7 "	2,375.60			
Palmerston	7 "	12,103.43			
Paris	9 "	36,654.95	Tilbury	8 "	12,595.78
Parkhill	5 "	4,842.88	Tillsonburg	12 "	27,189.40
Petrolia	7 "	32,147.11	Toronto	12 "	5,094,514.13
			Toronto twp.	10 "	20,606.95
Plattsville	9 "	2,928.63	Walkerville	9 "	179,556.72
Point Edward	6 "	13,023.51			
Port Colborne	7 "	22,349.21			
Port Credit	11 "	9,192.92	Wallaceburg	8 "	52,493.89
Port Dalhousie	7 "	7,549.23	Wardsville	5 "	812.12
			Waterdown	12 "	7,747.64
Port Dover	5 "	5,336.49	Waterford	8 "	8,661.91
Port Rowan	2 "	883.82	Waterloo	12 "	77,585.34
Port Stanley	11 "	12,312.48			
Preston	12 "	86,878.42			
Princeton	9 "	1,877.99	Watford	6 "	5,602.89
			Welland	6 "	77,312.60
Queenston	5 "	1,917.39	Wellesley	7 "	5,874.14
Richmond Hill	4 "	2,793.38	West Lorne	7 "	10,153.52
Ridgetown	8 "	12,213.86	Weston	12 "	67,738.47
Riverside	6 "	16,746.20			
Rockwood	10 "	3,521.64			
			Wheatley	5 "	2,389.72
Rodney	6 "	3,362.31	Windsor	9 "	530,243.82
St. Catharines	7 "	142,759.53	Woodbridge	9 "	8,846.90
St. Clair Beach	6 "	1,548.03	Woodstock	12 "	108,697.01
St. George	8 "	3,936.62	Wyoming	7 "	2,368.46
St. Jacobs	6 "	3,765.79			
St. Marys	12 "	42,824.58	York East twp.	4 "	35,188.52
St. Thomas	12 "	144,329.22	York North twp.	5 "	11,332.29
Sandwich	5 "	52,795.16	Zurich	6 "	4,053.55
Sarnia	7 "	163,051.15			
Scarboro twp.	5 "	31,900.29			
			Toronto & York Ry.	5 "	67,976.34
Seaforth	12 "	23,141.26	Sandwich, Windsor & Amherstburg Ry.	6 "	36,106.67
Simcoe	8 "	21,599.23			
Springfield	6 "	2,628.85	Toronto Transportation Commission	2 "	21,174.35
Stamford twp.	7 "	21,796.04			
Stouffville	5 "	3,277.55			

NIAGARA SYSTEM—Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Rural power district	Period of years ending Oct. 31, 1928	Amount	Rural power district	Period of years ending Oct. 31, 1928	Amount
		$ c.			$ c.
Acton R.P.D.—Esquesing twp.	1 year	15.49	**Caledonia** R.P.D. — Ancaster, Glandford, Oneida, Binbrook, Caister and Barton twps.	4 years	1,488.13
Amherstburg R.P.D.—Anderdon, Malden, Colchester N. and Colchester S. twps.	5 "	10,027.49	**Chatham** R.P.D.—Dover, Chatham, Raleigh and Harwich twps.	7 "	4,983.37
Aylmer R.P.D.—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps.	7 "	3,191.96	**Chippawa** R.P.D.—Willoughby and Bertie twps.	7 "	2,940.64
Ayr R.P.D.—Dumfries N. and Blenheim twps.	3 "	213.87	**Clinton** R.P.D.—Goderich and Stanley twps.	1 "	155.53
Baden R.P.D.—Wilmot, Zorra E., Easthope S., Easthope N., Wellesley, Waterloo and Blenheim twps.	7 "	3,188.37	**Delaware** R.P.D.—Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps.	6 "	3,998.47
Beamsville R.P.D.—Grimsby N., Gainsboro, Clinton and Louth twps.	6 "	11,777.68	**Dorchester** R.P.D.—London, Nissouri W., Nissouri E., Oxford N., Dorchester N., Dorchester S., Westminster and Yarmouth twps.	7 "	7,538.22
Belle River R.P.D.—Maidstone and Rochester twps.	6 "	4,490.96	**Dresden** R.P.D.—Camden and Chatham twps.	1 "	0.69
Blenheim R.P.D. — Raleigh and Harwich twps.	5 "	1,169.09	**Drumbo** R.P.D. — Blenheim, Burford and Blandford twps.	7 "	1,732.48
Bond Lake R.P.D. — King, Vaughan, Markham and Whitchurch twps.	5 "	6,735.51	**Dundas** R.P.D. — Flamboro W., Beverly, Ancaster and Flamboro E. twps.	7 "	5,932.45
Bothwell R.P.D.—Ekfrid, Zone, Orford, Aldboro and Mosa twps.	5 "	1,435.77	**Dunnville** R.P.D. — Moulton twp.	1 "	7.74
Brampton R.P.D.—Chinguacousy and Toronto twps.	5 "	666.38	**Dutton** R.P.D.—Dunwich and Aldboro twps.	3 "	305.25
Brant R.P.D.—Brantford, Burford, Blenheim, Dumfries S., Onondaga and Oakland twps.	7 "	3,981.44	**Elmira** R.P.D.—Woolwich twp.	3 "	288.46
Brigden R.P.D.—Moore and Sombra twps.	2 "	397.51	**Elora** R.P.D. — Pilkington, Nichol, Garafraxa W. and Peel twps.	3 "	1,475.83
Burford R.P.D.—Burford, Brantford and Oakland twps.	2 "	646.45	**Essex** R.P.D.—Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N. and Gosfield S. twps.	4 "	2,404.03

NIAGARA SYSTEM—Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Rural power district	Period of years ending Oct. 31, 1928	Amount	Rural power district	Period of years ending Oct. 31, 1928	Amount
		$ c.			$ c.
Exeter R.P.D.—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps	6 years	3,526.93	**Lucan** R.P.D.—Stephen, London, McGillivray and Biddulph twps	3 years	621.40
Forest R.P.D.—Warwick, Bosanquet, Williams W. and Adelaide twps	2 "	74.90	**Lynden** R.P.D.—Beverly, Ancaster, Brantford and Dumfries twps	7 "	2,679.84
Galt R.P.D.—Dumfries N., and Dumfries S. twps	7 "	1,582.88	**Markham** R.P.D.—Markham, Scarboro, Pickering and Whitchurch twps	6 "	2,955.48
Georgetown R.P.D.—Esquesing and Chinguacousy twps	4 "	715.92	**Milton** R.P.D.—Nassagaweya, Esquesing, Trafalgar and Nelson twps	4 "	812.99
Goderich R.P.D.—Colborne and Goderich twps	4 "	950.87	**Milverton** R.P.D.—Mornington twp	2 "	263.53
Grantham R.P.D.—Grantham and Niagara twps	4 "	8,118.97	**Mitchell** R.P.D.—Ellice, Logan and Elma twps	3 "	1,510.22
Guelph R.P.D.—Guelph and Puslinch twps	4 "	1,060.76	**Newmarket** R.P.D.—Gwillimbury E., King and Whitchurch twps	5 "	2,130.69
Haldimand R.P.D.—Walpole, Rainham, Cayuga N. and Oneida twps	4 "	545.70	**Niagara** R.P.D.—Niagara twps	7 "	7,333.49
Harrow R.P.D.—Colchester S. and Malden twps	5 "	1,955.92	**Norwich** R.P.D.—Norwich, N., Norwich S., Dereham, Oxford E., Burford and Windham twps	4 "	7,027.94
Ingersoll R.P.D.—Dorchester N., Dereham, Oxford N., Zorra W. and Oxford W. twps	7 "	872.08	**Oil Springs** R.P.D.—Enniskillen, Dawn and Brooke twps	3 "	717.96
Jordan R.P.D.—Louth and Thorold twps	7 "	2,080.84	**Palmerston** R.P.D.—Maryborough, Wallace and Minto twps	2 "	25.43
Keswick R.P.D.—Georgina and Gwillimbury twps	5 "	3,663.36	**Petrolia** R.P.D.—Plympton and Enniskillen twps	6 "	240.85
Kingsville R.P.D.—Gosfield N., Gosfield S., Mersey and Romney twps	5 "	12,968.38	**Preston** R.P.D.—Waterloo, Puslinch, Dumfries N., and Woolwich twps	7 "	11,003.87
Lansing R.P.D.—York N. and Vaughan twps	4 "	767.55	**Ridgetown** R.P.D.—Howard, Orford, Harwich, Aldborough and Rondeau Park twps	7 "	4,439.91
Listowel R.P.D.—Wallace and Elma twps	2 "	732.11	**St. Jacobs** R.P.D.—Wellesley and Woolwich twps	6 "	3,665.33
London R.P.D.—Westminster, Delaware and London twps	6 "	16,893.49			

NIAGARA SYSTEM—Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Rural power district	Period of years ending Oct. 31, 1928	Amount	Rural power district	Period of years ending Oct. 31, 1928	Amount
		$ c.			$ c.
St. Marys R.P.D.—Fullerton, Usborne, Blanshard and Downie twps.	1 year	300.09	**Thamesville** R.P.D.—Camden, Euphemia, Zone, Orford, Howard and Chatham twps.	1 year	273.42
St. Thomas R.P.D.—Southwold, Yarmouth, Westminster and Dunwich twps.	6 "	7,035.02	**Tilbury** R.P.D.—Dover, Tilbury E., Tilbury W., Tilbury N., Raleigh and Romney twps.	5 "	772.35
Saltfleet R.P.D.—Saltfleet, Barton, Binbrook and Grimsby N. twps.	7 "	13,869.27	**Tillsonburg** R.P.D.—Norwich S., Bayham, Dorchester S., Malahide, Dereham, Middleton and Norwich N. twps.	5 "	7,922.67
Sandwich R.P.D.—Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps.	7 "	16,359.01	**Wallaceburg** R.P.D.—Dover, Chatham and Sombra twps.	6 "	3,991.67
Sarnia R.P.D.—Sarnia, Moore and Plympton twps.	6 "	6,444.72	**Walsingham** R.P.D.—Walsingham S. and Charlotteville twps.	2 "	738.45
Scarboro R.P.D.—Scarboro, Pickering and York N. twps.	5 "	1,150.10	**Walton** R.P.D.—Wawanosh W., Wawanosh E., McKillop, Morris, Grey and Hullett twps.	4 "	571.02
Seaforth R.P.D.—Tuckersmith and McKillop twps.	1 "	233.76	**Waterdown** R.P.D.—Flamboro E., Flamboro W. and Nelson twps.	6 "	4,222.26
Simcoe R.P.D.—Woodhouse, Charlotteville, Windham and Townsend twps.	6 "	1,575.83	**Waterford** R.P.D.—Windham and Townsend twps.	5 "	1,203.59
Stamford R.P.D.—Stamford and Thorold twps.	7 "	2,045.72	**Welland** R.P.D.—Bertie, Pelham, Thorold, Crowland, Wainfleet and Humberstone twps.	7 "	18,887.33
Stratford R.P.D.—Ellice and Downie twps.	5 "	3,305.06	**Woodbridge** R.P.D.—Toronto, Vaughan, York N., Etobicoke, Toronto Gore, Albion, King and Chinguacousy twps.	6 "	8,253.59
Strathroy R.P.D.—Adelaide twp.	2 "	258.21	**Woodstock** R.P.D.—Oxford W., Oxford N., Oxford E., Blandford, Zorra W. and Zorra E. twps.	7 "	8,899.14
Streetsville R.P.D.—Torronto, Trafalgar, Esquesing and Chinguacousy twps.	6 "	1,270.29			
Tavistock R.P.D.—Easthope N., Easthope S. and Zorra E. twps.	6 "	1,581.31			$11,974,361.22

NIAGARA SYSTEM

Reserve for Sinking Fund, October 31, 1928

Total provision for sinking fund to October 31, 1927		$9,907,227.21
Add:		
Sinking fund provided on lines transferred from "Rural Lines" account to "Rural Power Districts" account		636.34
		$9,907,863.55
Deduct:		
Sinking fund on certain equipment sold		2,003.22
		$9,905,860.33
Provided in the year ending October 31, 1928, in respect of:		
Advances by the Province for construction of transmission lines and stations	$327,681.94	
Advances by the Province for construction of rural power districts	28,553.37	
Advances by the Province for construction of pipe line to Ontario Power generating station	36,923.85	
Advances by the Province for construction of Queenston-Chippawa development	797,493.73	
Bonds issued and assumed by the Commission in connection with the purchase of the properties of the Ontario Power Company, Toronto Power Company, Essex system and Thorold system	481,613.60	
Interest at 4% per annum on amounts standing at the credit of the reserve accounts	396,234.40	2,068,500.89
		$11,974,361.22

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective Rural Lines for the year ending October 31, 1928

Lines operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Ancaster township	5,734.62	235.12	103.22	114.69	57.35	510.38
Brampton	588.87	32.62	10.60	11.78	5.89	60.89
Milton	15,909.84	789.13	286.38	318.20	159.10	1,552.81
Scarboro township	4,521.25	278.96	81.38	90.43	45.21	495.98
Welland	19,617.60	823.94	353.12	392.35	196.18	1,765.59
Totals	46,372.18	2,159.77	834.70	927.45	463.73	4,385.65

NIAGARA RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line together with interest allowed thereon to October 31, 1928

Lines operated by	Period of years ending October 31, 1928	Amount
		$ c.
Ancaster township	15 years	1,895.24
Brampton	11 "	146.17
Milton	15 "	1,546.45
Scarboro township	11 "	1,577.75
Welland	16 "	7,151.49
Total		12,317.10

GEORGIAN BAY

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$13,677.86
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system:		
Generation and transmission equipment	$259,037.24	
Rural power districts	8,278.10	
		267,315.34
Interest on capital investment in:		
Generation and transmission equipment	$240,997.62	
Rural power districts	6,285.82	
		247,283 44
Provision for renewal of:		
Generation and transmission equipment	$67,610.72	
Rural power districts	4,656.41	
		72,267.13
Provision for obsolescence and contingencies in respect of:		
Generation and transmission equipment	$43,293.92	
Rural power districts	4,656.38	
		47,950.30
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities and rural power districts	$50,221.77	
By charges against contracts with private companies which purchased power	4,251.65	
By charges included in the cost of distribution of power within rural power districts	1,418.82	
		55,892.24
		$704,386.31

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under the received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating costs		
	To Jan.1 1928	To Oct. 31 1928				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c
Alliston	75.00	70.00	81,508.45	170.0	119.95	2,492.81	3,785.35	1,329.6
Arthur	.....	90.00	57,232.91	99.0	69.85	2,143.10	2,644.59	969.0
Barrie	.....	30.00	352,283.65	1,686.7	1,190.12	18,387.87	16,325.50	4,063.8
Beaverton	.....	40.00	42,863.79	182.7	128.91	2,739.50	1,959.84	529.5
Beeton	.....	85.00	61,768.43	105.1	74.16	1,870.95	2,866.08	1,049.5
Bradford	.....	84.00	80,528.10	156.5	110.43	2,538.75	3,743.89	1,335.2
Brechin	70.00	65.00	16,770.41	48.1	33.94	792.09	767.53	249.7
Cannington	.....	45.00	33,724.88	128.8	90.88	2,356.74	1,543.39	443.4
Chatsworth	.....	53.00	11,528.70	42.6	30.06	664.10	532.98	155.0
Chesley	.....	45.00	106,623.86	371.9	262.41	4,985.59	4,937.80	1,472.6

SYSTEM

ending October 31st, 1928

REVENUE FOR PERIOD

Collected from municipalities	$709,620.13	
Power sold to private companies	52,974.78	
Collected from customers in rural power districts	44,584.17	
		$807,179.08
Add:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	$253.05	
Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied to them in the year	2,153.18	
		2,406.23
		$809,585.31
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$101,548.30	
Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto	3,650.70	
		105,199.00
Revenue		$704,386.31
		$704,386.31

SYSTEM *COST OF POWER*

Power Commission Act) of Power supplied to it by the Commission, the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1928.

and fixed charges			Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund	Total				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
463.45	856.06	9,047.26	0.61	9,046.65	12,047.48	3,000.83	.....
299.38	601.04	6,726.99	0.36	6,726.63	8,910.75	2,184.12	.....
3,313.55	3,687.48	46,968.38	6.09	46,962.29	50,599.75	3,637.46	.....
374.20	446.47	6,178.47	0.66	6,177.81	7,306.96	1,129.15	.....
312.67	649.04	6,822.46	0.38	6,822.08	8,935.58	2,113.50	.....
444.00	846.60	9,018.87	0.56	9,018.31	13,145.30	4,126.99	.....
118.85	175.61	2,137.73	0.17	2,137.56	3,168.15	1,030.59	.....
277.44	351.69	5,063.63	0.46	5,063.17	5,794.47	731.30	.....
98.58	120.70	1,601.42	0.15	1,601.27	2,258.18	656.91	.....
820.89	1,116.66	13,596.04	1.34	13,594.70	16,736.17	3,141.47	.....

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under the received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs		
	To Jan. 1 1928	To Oct. 31 1928				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Coldwater		41.00	28,165.85	103.9	73.31	1,226.34	1,300.74	378.98
Collingwood		40.00	323,787.15	1,198.3	845.51	18,056.19	14,897.74	4,349.83
Cookstown		60.00	18,348.75	45.8	32.32	700.81	851.67	286.00
Creemore		60.00	34,771.56	90.8	64.07	1,783.54	1,606.94	534.34
Dundalk	37.00	40.00	34,481.34	159.8	112.75	2,449.63	1,596.14	406.13
Durham		35.00	98,424.56	469.7	331.42	5,511.38	4,555.97	1,135.19
Elmvale		36.00	43,570.88	195.8	138.16	2,769.59	2,010.24	524.05
Elmwood		52.00	13,835.70	43.5	30.69	828.46	642.21	199.54
Flesherton		50.00	18,926.87	68.3	48.19	1,118.11	875.65	223.82
Grand Valley	60.00	65.00	39,654.73	95.8	67.60	1,803.59	1,836.25	623.14
Gravenhurst		25.00	59,224.32	470.1	.....	5,884.47	2,740.42	573.06
Hanover		38.00	211,953.54	858 7	605.89	10,002.56	10,033.86	2,823.56
Holstein		90.00	12,657.91	13.3	9.38	437.91	585.84	229.55
Huntsville		27.00	185,035.10	1,141.9	79.03	13,399.42	8,545.79	2,117.74
Kincardine	72.00	70.00	144,055.02	289.6	204.34	4,959.33	6,696.06	2,367.32
Kirkfield		65.00	9,550.44	20.9	14.75	373.47	441.36	153.71
Lucknow		75.00	74,295.20	148.2	104.57	3,218.13	3,454.21	1,222.98
Markdale		37.00	28,392.41	127.5	89.96	1,767.55	1,316.03	306.20
Meaford		45.00	92,444.49	314.7	222.05	3,978.82	4,312.57	1,296.35
Midland		26.00	765,800.11	4,265.1	3,009.43	39,487.65	35,437.49	7,733.08
Mount Forest		48.00	83,882.44	289.6	204.34	4,068.17	3,878.67	1,163.88
Neustadt	65.00	70.00	49,425.46	109.6	77.33	1,494.07	2,323.70	806.92
Orangeville		55.00	116,098.57	382.0	269.54	5,642.66	5,418.47	1,661.05
Owen Sound		30.00	499,216.85	2,413.6	1,703.02	24,374.59	23,116.51	5,702.38
Paisley		65.00	43,862.47	110.9	78.25	2,182.02	2,039.75	680.50
Penetanguishene		35.00	124,707.59	544.9	384.48	7,183.89	5,719.90	1,527.45
Port McNicoll		33.00	16,964.57	80.2	56.59	852.84	780.91	195.15
Port Perry		62.00	58,121.57	152.2	107.39	2,772.04	2,694.47	889.45
Priceville		85.00	6,358.48	11.2	7.90	390.57	295.44	107.31
Ripley		95.00	35,071.54	54.0	38.10	1,272.40	1,630.00	605.64
Shelburne		42.00	62,854.09	248.4	175.27	3,758.57	2,910.82	815.95
Stayner		45.00	34,829.81	136.6	96.38	2,408.42	1,604.49	454.25
Sunderland		65.00	21,845.86	53.8	37.96	1,103.56	998.44	340.47
Tara		93.00	38,853.55	53.3	37.61	1,288.78	1,808.19	685.03
Teeswater		58.00	57,881.77	136.9	96.60	2,175.47	2,688.69	914.78
Thornton		90.00	14,384.07	24.1	17.00	379.01	667.91	245.0
Tottenham		96.00	42,544.53	57.0	40.22	1,106.51	1,975.18	750.1
Uxbridge		65.00	62,568.71	156.4	110.35	2,938.31	2,900.90	970.8
Victoria Harbor		45.00	17,948.07	68.8	48.54	914.14	829.12	236.9
Waubaushene		45.00	11,912.71	50.3	35.49	749.35	551.34	149.0
Wingham		71.00	159,270.42	300.2	211.82	5,285.75	7,400.81	2,652.8
Woodville		60.00	19,586.71	50.0	35.28	921.66	892.43	302.0

SYSTEM *COST OF POWER*

Power Commission Act) of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1928

and fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
235.18	294.88	3,509.43	0.37	3,509.06	4,258.52	749.46	.....
2,594.79	3,389.84	44,133.90	4.32	44,129.58	47,930.95	3,801.37	.....
120.62	192.61	2,184.03	0.16	2,183.87	2,747.50	563.63	.....
221.83	364.66	4,575.38	0.33	4,575.05	5,448.50	873.45	.....
324.77	360.47	5,249.89	0.58	5,249.31	6,301.01	1,051.70	.....
945.68	1,028.72	13,508.36	1.69	13,506.67	16,440.05	2,933.38	.....
402.25	455.59	6,299.88	0.71	6,299.17	7,047.48	748.31	.....
106.34	144.98	1,952.25	0.16	1,952.09	2,261.51	309.42	.....
150.91	198.18	2,614.86	0.25	2,614.61	3,413.29	798.68	.....
248.66	415.99	4,995.23	0.35	4,994.88	6,139.45	1,144.57	.....
659.32	623.63	10,480.90	1.71	10,479.19	11,752.04	1,272.85	.....
1,875.15	2,274.62	27,615.64	3.10	27,612.54	32,737.90	5,125.36	.....
52.10	133.07	1,447.85	0.05	1,447.80	1,194.75	.....	253.05
1,755.73	1,942.95	27,840.66	4.15	27,836.51	30,832.18	2,995.67	.....
808.07	1,512.15	16,547.27	1.05	16,546.22	20,365.89	3,819.67	.....
55.73	100.11	1,139.13	0.07	1,139.06	1,355.21	216.15	.....
419.97	779.90	9,199.76	0.53	9,199.23	11,115.60	1,916.37	.....
258.93	296.89	4,035.56	0.46	4,035.10	4,718.71	683.61	.....
692.38	971.32	11,473.49	1.13	11,472.36	14,161.09	2,688.73	.....
7,978.15	7,985.46	101,631.26	15.39	101,615.87	110,892.33	9,276.46	.....
639.64	878.54	10,833.24	1.04	10,832.20	13,902.40	3,070.20	.....
295.15	525.42	5,522.59	0.39	5,522.20	7,390.39	1,868 19	.....
864.16	1,225.10	15,080.98	1.39	15,079.59	21,007.62	5,928.03	.....
4,752.31	5,217.21	64,866.02	8.72	64,857.30	72,408.55	7,551.25	.....
274.96	460.05	5,715.53	0.40	5,715.13	7,205.74	1,490.61	.....
1,116.25	1,304.25	17,236.22	1.98	17,234.24	19,071.11	1,836.87	.....
163.33	176.34	2,225.16	0.29	2,224.87	2,647.68	422.81	.....
368.43	607.97	7,439.75	0.55	7,439.20	9,434.79	1,995.59	.....
42.99	66.78	910.99	0.04	910.95	955.49	44.54	.....
173.03	368.42	4,087.59	0.19	4,087.40	5,130.76	1,043.36	.....
533.73	657.54	8,851.88	0.89	8,850.99	10,432.71	1,581.72	.....
290.01	364.52	5,218.07	0.49	5,217.58	6,145.01	927.43	.....
136.68	228.60	2,845.66	0.19	2,845.47	3,498.04	652.57	.....
183.47	409.58	4,412.66	0.19	4,412.47	4,955.33	542.86	.....
373.04	607.27	6,855.85	0.49	6,855.36	7,941.98	1,086.62	.....
80.16	151.15	1,540.30	0.08	1,540.22	2,164.50	624.28	.....
195.79	447.25	4,515.07	0.20	4,514.87	5,471.20	956.33	.....
385.65	654.69	7,960.76	0.56	7,960.20	10,164.89	2,204.69	.....
150.95	187.87	2,367.53	0.25	2,367.28	3,095.97	728.69	.....
110.15	124.62	1,719.96	0.18	1,719.78	2,261.98	542.20	.....
886.53	1,672.20	18,109.95	1.09	18,108.86	21,314.74	3,205.88	.....
123.93	204.91	2,480.26	0.18	2,480.08	3,002.50	522.42	.....

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under the received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs		
	To Jan. 1 1928	To Oct. 31 1928				Operating maintenance and administrative expenses	Interest	Renewals
RURAL POWER DISTRICTS			$ c.		$ c.	$ c.	$ c.	$ c.
Barrie R.P.D.—Vespra, Oro and Innisfil twps.			9,364.95	42.0	29.63	520.64	433.59	112.49
Beaumaris R.P.D.—Monck twp.			10,878.95	27.7	19.54	357.66	308.96	83.21
Buckskin R.P.D. — Matchedash, Wood and Medora twps.			3,100.36	3.8	2.68	186.52	56.94	17.66
Cannington 1, R.P.D.—Brock and Eldon twps.			5,232.13	16.0	11.29	273.10	241.41	75.94
Cannington 2, R.P.D.—Brock twp.			6,138.62	18.6	13.12	335.93	282.86	89.43
Elmvale R.P.D.—Flos twp.			3,977.59	13.6	9.60	210.45	184.67	55.42
Flesherton R.P.D. — Artemesia twp.			1,470.27	4.2	2.96	73.22	67.70	19.90
Georgina R.P.D. — Georgina and Brock twps.			7,539.03	30.7	21.66	631.34	349.57	95.70
Innisfil R.P.D. — Innisfil and Gwillimbury twps.			9,423.28	14.6	10.30	209.98	306.14	105.31
Mariposa R.P.D. — Mariposa and Brock twps.			21,209.42	66.4	46.85	1,163.53	978.39	305.10
Markdale R.P.D.—Artemesia twp.			104.94	0.5	0.35	5.52	3.93	1.06
Nottawasaga R.P.D.—Nottawasaga twp.			7,774.77	27.0	19.05	526.66	357.87	107.59
Orangeville R.P.D. — Garafraxa E. and Amaranth twps.			7,673.22	23.9	16.86	397.54	360.42	112.12
Port Perry R.P.D.—Reach and Scugog twps.			6,180.29	19.2	13.55	339.61	286.81	89.16
Shelburne R.P.D. — Melancthon twp.			1,578.50	3.9	2.75	77.14	73.25	24.64
Sparrow Lake R.P.D.—Rama, Orillia N. and Morrison twps.			10,692.79	55.0	38.81	470.43	496.85	116.28
Stayner R.P.D. — Nottawasaga, Sunnidale and Flos twps.			19,854.94	69.0	48.69	1,034.64	918.90	274.69
Tara R.P.D. — Derby and Arran twps.			4,425.91	10.1	7.13	210.30	207.62	71.11
Uxbridge R.P.D.—Uxbridge and Reach twps.			2,060.12	6.4	4.52	104.42	95.50	29.72
Walkerton Quarry R. P. D.—Brant twp.			666.03	1.5	1.06	112.60	30.45	10.66
Totals—Municipalities			4,645,745.07	18,597.1	12,063.59	231,991.26	215,970.27	60,939.32
Totals—Rural power districts			153,999.99	454.1	320.40	7,241.23	6,041.83	1,797.19
Totals—Companies			408,354.71	1,833.7	1,293.87	19,804.75	18,985.52	4,874.21
			5,208,099.77					
Non-operating capital			152,591.56					
Grand Totals			5,360,691.33	20,884.9	13,677.86	259,037.24	240,997.62	67,610.72

SYSTEM *COST OF POWER*

Power Commission Act) of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1928

and fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
85.33	97.77	1,279.45	0.15	1,279.30	1,279.30	see page	191
61.15	69.23	899.75	0.11	899.64	899.64	see page	191
10.00	12.79	286.59	0.01	286.58	286.58	see page	191
37.07	54.67	693.48	0.06	693.42	693.42	see page	191
43.34	64.15	828.83	0.07	828.76	828.76	see page	191
32.78	41.66	534.58	0.05	534.53	534.53	see page	191
10.81	15.41	190.00	0.02	189.98	189.98	see page	191
64.56	78.56	1,241.39	0.11	1,241.28	1,241.28	see page	191
40.69	68.85	741.27	0.05	741.22	741.22	see page	191
156.40	221.57	2,871.84	0.24	2,871.60	2,871.60	see page	191
1.00	1.09	12.95	.....	12.95	12.95	see page	191
60.86	81.43	1,153.46	0.10	1,153.36	1,153.36	see page	191
56.11	80.96	1,024.01	0.08	1,023.93	1,023.93	see page	191
43.29	64.56	836.98	0.07	836.91	836.91	see page	191
10.84	16.55	205.17	0.01	205.16	205.16	see page	191
110.01	111.70	1,344.08	0.20	1,343.88	1,343.88	see page	191
157.80	207.95	2,642.67	0.25	2,642.42	2,642.42	see page	191
27.03	46.71	569.90	0.03	569.87	569.87	see page	191
14.43	21.52	270.11	0.02	270.09	270.09	see page	191
4.49	6.99	166.25	0.01	166.24	166.24	see page	191
38,569.91	48,857.65	608,392.00	67.12	608,324.88	709,620.13	101,548.30	253.05
1,027.99	1,364.12	17,792.76	1.64	17,791.12	17,791.12	.....	.....
3,696.02	4,251.65	52,906.02	(68.76)	52,974.78	52,974.78	.....	.....
43,293.92	54,473.42	679,090.78	.....	679,090.78	780,386.03	.....	.....

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain districts or charged to annual adjustment) of the actual costs

District and municipalities comprised therein:	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to district as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Barrie R.P.D.—Vespra, Oro and Innisfil twps.	16,779.16	8,389.58	8,389.58	1,279.30
Beaumaris R.P.D.—Monck twp.	42,107.75	21,053.87	21,053.88	899.64
Beeton R.P.D.—Tecumseh twp.	565.92	282.96	282.96	.....
Buckskin R.P.D.—Matchedash, Wood and Medora twps.	3,475.57	.....	3,475.57	286.58
Cannington 1, R.P.D.—Brock and Eldon twps.	*6,287.51	2,806.56	3,480.95	693.42
Cannington 2, R.P.D.—Brock twp.	*8,151.01	3,522.14	4,628.87	828.76
Elmvale R.P.D.—Flos twp.	1,509.05	622.20	886.85	534.53
Flesherton R.P.D.—Artemesia twp.	2,715.13	1,357.57	1,357.56	189.98
Georgina R.P.D.—Georgina and Brock twps.	17,100.81	8,550.41	8,550.40	1,241.28
Innisfil R.P.D.—Innisfil and Gwillimbury twps.	30,501.32	15,250.66	15,250.66	741.22
Lucknow R.P.D.—Kinloss twp.	331.45	165.73	165.72	.....
Mariposa R.P.D. — Mariposa and Brock twps.	33,755.59	16,877.79	16,877.80	2,871.60
Markdale R.P.D.—Artemesia twp.	1,299.44	649.72	649.72	12.95
Neustadt R.P.D.—Bentinck twp.	513.09	256.54	256.55	.....
Nottawasaga R.P.D.—Nottawasaga twp.	15,658.50	7,829.25	7,829.25	1,153.36
Orangeville R.P.D.—Garafraxa E. and Amaranth twps.	13,273.79	6,636.89	6,636.90	1,023.93
Port Perry R.P.D.—Reach and Scugog twps.	*4,791.61	2,094.64	2,696.97	836.91
Ripley R.P.D.—Kinloss twp.	395.67	197.83	197.84	.....
Shelburne R.P.D.—Melancthon twp.	*4,226.94	1,833.32	2,393.62	205.16
Sparrow Lake R.P.D.—Rama, Orillia N. and Morrison twps.	38,353.10	19,176.55	19,176.55	1,343.88
Stayner R.P.D.—Nottawasaga, Sunnidale and Flos twps.	35,139.63	.....	35,139.63	2,642.42
Tara R.P.D.—Derby and Arran twps.	*8,857.59	4,315.81	4,541.78	569.87
Uxbridge R.P.D. — Uxbridge and Reach twps.	*1,818.75	724.14	1,094.61	270.09
Walkerton Quarry R.P.D.—Brant twp.	2,285.90	1,142.95	1,142.95	166.24
	289,894.28		166,157.17	
Non-operating capital.	16,684.09		16,684.09	
Totals.	306,578.37	123,737.11	182,841.26	17,791.12

Note.—Items marked * include portions of transmission lines used for purposes of Rural power districts.

RURAL POWER DISTRICTS *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each district, the Municipalities comprising certain other districts upon ascertainment (by in the year ending October 31, 1928.

Distribution cost and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
476.12	378.98	325.09	325.10	85.58	2,870.17	3,511.09	640.92	.....
411.77	408.96	350.81	350.82	92.35	2,514.35	1,727.28	.....	787.07
3.05	14.08	11.32	11.32	2.98	42.75	34.02	.....	8.73
27.06	40.52	17.38	17.38	9.15	398.07	136.55	.....	261.52
250.78	162.01	125.60	125.60	36.58	1,393.99	1,498.58	104.59	.....
414.79	210.98	158.85	158.84	47.64	1,819.86	2,069.50	249.64	.....
215.14	41.35	17.73	17.72	9.34	835.81	973.27	137.46	.....
172.59	63.31	54.30	54.30	14.30	548.78	497.79	.....	50.99
642.43	396.51	340.13	340.12	89.54	3,050.01	3,265.00	214.99	.....
342.07	229.79	197.11	197.12	51.89	1,759.20	1,617.58	.....	141.62
3.06	8.18	6.63	6.62	1.75	26.24	19.88	.....	6.36
1,418.91	779.50	668.66	668.66	176.02	6,583.35	6,908.38	325.03	.....
64.70	30.30	25.99	26.00	6.84	166.78	179.54	12.76	.....
3.05	12.78	10.26	10.26	2.70	39.05	30.84	.....	8.21
397.58	361.67	310.24	310.24	81.67	2,614.76	2,478.18	.....	136.58
206.15	308.23	264.39	264.40	69.60	2,136.70	1,622.42	.....	514.28
211.03	123.71	94.07	94.06	27.93	1,387.71	1,337.58	.....	50.13
6.10	9.77	7.91	7.92	2.08	33.78	23.74	.....	10.04
163.86	111.00	84.02	84.00	25.07	673.11	579.54	.....	93.57
1,097.57	855.89	734.18	734.18	193.27	4,958.97	5,651.56	692.59	.....
1,219.65	1,462.89	627.43	627.42	330.34	6,910.15	8,156.36	1,246.21	.....
346.36	171.10	142.25	142.24	38.64	1,410.46	1,436.97	26.51	.....
126.85	51.01	36.34	36.34	11.52	532.15	505.36	.....	26.79
57.43	53.30	45.72	45.72	12.04	380.45	323.16	.....	57.29
8,278.10	6,285.82	4,656.41	4,656.38	1,418.82	43,086.65	44,584.17	3,650.70	2,153.18

Net Credit $1,497.52

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power interest added during the year; also the net amount Credited or Charged October 31, 1928, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	1,805.48			1,805.48
Arthur	Dec., 1916	598.30			
Barrie	April, 1913		4,661.21	4,661.21	
Beaverton	Nov., 1914	803.26			803.26
Beeton	Aug., 1918	933.83			
Bradford	Oct., 1918		2,715.06	2,715.06	
Brechin	Jan., 1915	1,085.40			1,085.40
Cannington	Nov., 1914	839.50			839.50
Chatsworth	Dec., 1915	235.44			235.44
Chesley	July, 1916	1,796.91			1,796.91
Coldwater	Mar., 1913	606.18			606.18
Collingwood	Mar., 1913	2,221.51			2,221.51
Cookstown	May, 1918	341.26			341.26
Creemore	Nov., 1914	1,411.21			1,411.21
Dundalk	Dec., 1915		116.49	116.49	
Durham	Dec., 1915	1,103.52			1,103.52
Elmvale	June, 1913		398.28		
Elmwood	April, 1918	245.99			245.99
Flesherton	Dec., 1915	1,328.32			1,328.32
Grand Valley	Dec., 1916	1,253.52			1,253.52
Gravenhurst	Nov., 1915	778.99			778.99
Hanover	Sept., 1916	2,588.04			2,588.04
Holstein	May, 1916		4,770.87	800.00	
Huntsville	Sept., 1916	2,562.52			2,562.52
Kincardine	Mar., 1921		687.92	687.92	
Kirkfield	June, 1920	76.91			76.91
Lucknow	Jan., 1921	1,180.88			1,180.88
Markdale	Mar., 1916	301.09			301.09
Meaford	Jan., 1924	4,721.00			4,721.00
Midland	July, 1911	2,101.70			2,101.70
Mount Forest	Dec., 1915	4,262.86			1,306.27
Neustadt	Dec., 1918		2,181.66		
Orangeville	July, 1916	2,679.26			2,679.26
Owen Sound	Dec., 1915	3,575.33			3,575.33
Paisley	Sept., 1923	1,931.51			1,931.51
Penetang	July, 1911	3,043.22			3,043.22
Port McNicoll	Jan., 1915	260.38			260.38
Port Perry	Sept., 1922	1,409.30			1,409.30
Priceville	Mar., 1921		258.91		
Ripley	Jan., 1921	377.87			377.87
Shelburne	July, 1916	161.93			161.93
Stayner	Oct., 1913	343.29			343.29
Sunderland	Nov., 1914	356.53			356.53
Tara	Feb., 1918		3,842.95		
Teeswater	Dec., 1920	177.91			177.91

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1927; the cash receipts and payments thereon, and to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October, 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31,1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
42.36	.....	3,000.83	.....	3,043.19	.....
23.93	.....	2,184.12	.....	2,806.35	.....
.....	13.67	3,637.46	.....	3,623.79	.....
16.33	.....	1,129.15	.....	1,145.48	.....
37.35	.....	2,113.50	.....	3,084.68	.....
.....	33.64	4,126.99	.....	4,093.35	.....
22.54	.....	1,030.59	.....	1,053.13	.....
19.55	.....	731.30	.....	750.85	.....
5.18	.....	656.91	.....	662.09	.....
30.10	.....	3,141.47	.....	3,171.57	.....
6.61	.....	749.46	.....	756.07	.....
36.42	.....	3,801.37	.....	3,837.79	.....
6.93	.....	563.63	.....	570.56	.....
36.12	.....	873.45	.....	909.57	.....
.....	2.29	1,051.70	.....	1,049.41	.....
24.36	.....	2,933.38	.....	2,957.74	.....
.....	15.93	748.31	.....	334.10	.....
5.94	.....	309.42	.....	315.36	.....
37.90	.....	798.68	.....	836.58	.....
2.55	.....	1,144.57	.....	1,147.12	.....
14.92	.....	1,272.85	.....	1,287.77	.....
53.74	.....	5,125.36	.....	5,179.10	.....
.....	179.91	.....	253.05	.....	4,403.83
56.86	.....	2,995.67	.....	3,052.53	.....
.....	12.93	3,819.67	.....	3,806.74	.....
2.92	.....	216.15	.....	219.07	.....
23.74	.....	1,916.37	.....	1,940.11	.....
5.86	.....	683.61	.....	689.47	.....
104.29	.....	2,688.73	.....	2,793.02	.....
34.45	.....	9,276.46	.....	9,310.91	.....
144.68	.....	3,070.20	.....	6,171.47	.....
.....	87.27	1,868.19	.....	.....	400.74
41.96	.....	5,928.03	.....	5,969.99	.....
59.00	.....	7,551 25	.....	7,610.25	.....
50.02	.....	1,490.61	.....	1,540.63	.....
60.53	.....	1,836.87	.....	1,897.40	.....
5.79	.....	422.81	.....	428.60	.....
24.69	.....	1,995.59	.....	2,020.28	.....
.....	10.36	44.54	.....	.....	224.73
7.06	.....	1,043.36	.....	1,050.42	.....
3.50	.....	1,581.72	.....	1,585.22	.....
8.58	.....	927.43	.....	936.01	.....
8.06	.....	652.57	.....	660.63	.....
.....	153.72	542.86	.....	.....	3,453 81
4.53	.....	1,086.62	.....	1,091.15	.....

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year; also the net amount Credited or Charged to each Municipality and the accumulated amount standing as a Credit or

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Thornton	Nov., 1918		704.23		
Tottenham	Oct., 1918		3,622.79	142.79	
Uxbridge	Sept., 1922	1,480.22			1,480.22
Victoria Harbor	July, 1914	633.69			633.69
Waubaushene	Dec., 1914	203.73			203.73
Wingham	Dec., 1920	1,827.03			1,827.03
Woodville	Nov., 1914	1,197.13			1,197.13
RURAL POWER DISTRICTS					
Barrie R.P.D.—Vespra, Oro and Innisfil twps	Aug., 1923	382.67			
Beaumaris R.P.D.—Monck twp.	June, 1928				
Beeton R.P.D.—Tecumseh twp.	Sept., 1926		2.22		
Buckskin R.P.D.—Matchedash, Wood and Medora twps	July, 1928				
Cannington 1, R.P.D.—Brock and Eldon twps	May, 1924	217.78			
Cannington 2, R.P.D.—Brock twp	May, 1924	272.95			
Elmvale R.P.D.—Flos twp	Jan., 1924	63.33			
Flesherton R.P.D. — Artemesia twp	Feb., 1922		345.42		
Georgina R.P.D.—Georgina and Brock twps	Oct., 1926		983.38		
Innisfil R.P.D. — Innisfil and Gwillimbury twps	Feb., 1928				
Lucknow R.P.D.—Kinloss twp.	Feb., 1924		3.63		
Mariposa R.P.D.—Mariposa and Brock twps	Sept., 1923	1,566.13			
Markdale R.P.D. — Artemesia twp	July, 1924		437.58		
Neustadt R.P.D.—Bentinck twp.	Nov., 1926		1.90		
Nottawasaga R.P.D.—Nottawasaga twp	Jan., 1922	947.87			
Orangeville R.P.D.—Garafraxa E. and Amaranth twps	Aug., 1927		34.05		
Port Perry R.P.D.—Reach and Scugog twps	Dec., 1922	152.49			24.24
Ripley R.P.D.—Kinloss twp.	Feb., 1922		5.86		
Shelburne R.P.D.—Melancthon twp	Feb., 1926	12.50			
Sparrow Lake R.P.D.—Rama, Orillia and Morrison twps	Oct., 1925	987.75			
Stayner R.P.D. — Nottawasaga, Sunnidale and Flos twps	July, 1923	1,998.19			
Tara R.P.D.—Derby and Arran twps	Jan., 1925	180.65			

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1927; the cash receipts and payments thereon, and interest cipality in respect of power supplied in the year ending October 31, 1928 and the Charge to each Municipality at October 31, 1928.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	28.17	624.28	.....	.....	108.12
.....	141.60	956.33	.....	.....	2,665 27
33.49	.....	2,204.69	.....	2,238.18	.....
11.30	.....	728.69	.....	739.99	.....
4.41	.....	542.20	.....	546.61	.....
38.34	.....	3,205.88	.....	3,244 22	.....
33.95	.....	522.42	.....	556.37	.....
15.31	.....	640.92	.....	1,038.90	.....
.....	.....	.....	787.07	.....	787.07
.....	0.09	.....	8.73	.....	11.04
.....	.....	.....	261.52	.....	261.52
8.71	.....	104.59	.....	331.08	.....
10.92	.....	249.64	.....	533.51	.....
2.53	.....	137.46	.....	203.32	.....
.....	13.82	.....	50.99	.....	410.23
.....	39.34	214.99	.....	.....	807.73
.....	.....	.....	141.62	.....	141.62
.....	0.15	.....	6.36	.....	10.14
62.65	.....	325.03	.....	1,953.81	.....
.....	17.50	12.76	.....	.....	442.32
.....	0.08	.....	8.21	.....	10.19
37.91	.....	.....	136.58	849.20	.....
.....	1.36	.....	514.28	.....	549.69
5.29	.....	.....	50.13	83.41	.....
.....	0.23	.....	10.04	.....	16.13
0.50	.....	.....	93.57	.....	80.57
39.51	.....	692.59	.....	1,719.85	.....
79.93	.....	1,246.21	.....	3,324.33	.....
7.23	.....	26.51	.....	214.39	.....

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power added during the year; also the net amount Credited or Charged to each Muni- accumulated amount standing as a Credit or

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Uxbridge R.P.D.—Uxbridge and Reach twps	Sept., 1925	221.96	.....	.....	.....
Walkerton Quarry R.P.D.—Brant twp	Feb., 1922	124.09	.....	.....	.....
Totals	.....	61,970.31	25,774.41	9,123.47	50,377.47

GEORGIAN BAY SYSTEM

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927	$754,141.43	
Deduct:		
Expenditures to October 31, 1927	78,376.54	
Balance brought forward October 31, 1927		$675,764.89
Added during the year ending October 31, 1928.		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$62,736.51	
Amount included in costs of distribution of power within rural power districts	4,656.41	
Provision against equipment employed in respect of contracts with private companies which purchase power	4,874.21	
Interest at 4% per annum on monthly balances at the credit of the account	27,030.60	
		99,297.73
		$775,062.62
Deduct:		
Expenditures during the year ending October 31, 1928		4,090.37
Balance carried forward October 31, 1928		$770,972.25

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1927; the cash receipts and payments thereon, and interest cipality in respect of power supplied in the year ending October 31, 1928 and the Charge to each Municipality at October 31, 1928.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31,1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8.88	.....	.....	26.79	204.05	.....
4.96	.....	.....	57.29	71.76	.....
1,475.17	752.06	105,199.00	2,406.23	113,242.53	14,784.75

GEORGIAN BAY SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward October 31, 1927		$345,450.38
Added during the year ending October 31, 1928:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$39,597.90	
Amounts included in the costs of distribution of power within rural power districts	4,656.38	
Provision against equipment employed in respect of contracts with private companies which purchased power	3,696.02	
Interest at 4% per annum on monthly balances at the credit of the account	13,937.34	
		61,887.64
		$407,338.02
Deduct:		
Proportionate share of expenditures with interest thereon in the years 1909 to 1925, made by the Commission out of advances by the Province for the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein—payment made in October, 1928	$184,210.69	
Expenditures during the year ending October 31, 1928	4.674.07	
		188,884.76
Balance carried forward October 31st, 1928		$218,453.26

GEORGIAN BAY SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1928

Municipality	Period of years ending Oct. 31, 1928	Amount
		$ c.
Alliston	5 years	4,879.78
Arthur	7 "	5,643.04
Barrie	10 "	33,195.50
Beaverton	9 "	6,941.13
Beeton	5 "	4,054.65
Bradford	5 "	4,554.30
Brechin	9 "	2,983.35
Cannington	9 "	5,292.96
Chatsworth	8 "	1,147.64
Chesley	7 "	8,868.46
Coldwater	10 "	3,065.06
Collingwood	10 "	46,089.23
Cookstown	5 "	1,230.60
Creemore	9 "	3,466.51
Dundalk	8 "	3,109.87
Durham	8 "	8,939.12
Elmvale	10 "	5,218.04
Elmwood	5 "	849.83
Flesherton	8 "	1,747.11
Grand Valley	7 "	3,221.35
Gravenhurst	8 "	4,925.96
Hanover	7 "	24,549.28
Holstein	7 "	1,038.48
Huntsville	7 "	15,594.28
Kincardine	4 "	6,559.95
Kirkfield	4 "	841.00
Lucknow	4 "	3,228.90
Markdale	7 "	2,216.92
Meaford	4 "	4,158.74
Midland	10 "	65,891.85
Mount Forest	8 "	8,140.93
Neustadt	5 "	3,007.60
Orangeville	7 "	9,068.80
Owen Sound	8 "	43,824.82
Paisley	4 "	1,878.83
Penetanguishene	12 "	21,502.01
Port McNicoll	9 "	1,540.64
Port Perry	4 "	2,798.23
Priceville	4 "	313.90
Ripley	4 "	1,597.81
Shelburne	7 "	5,100.39
Stayner	10 "	4,600.57
Sunderland	9 "	3,866.61
Tara	5 "	2,426.59
Teeswater	4 "	3,057.31
Thornton	5 "	846.81
Tottenham	5 "	2,491.89
Uxbridge	4 "	3,005.12
Victoria Harbour	9 years	1,916.34
Waubaushene	9 "	1,080.54
Wingham	4 "	7,694.78
Woodville	9 "	3,996.88
RURAL POWER DISTRICT		
Barrie R.P.D.—Vespra, Oro and Innisfil twps	6 years	774.85
Beaumaris R.P.D.—Monck twp	1 "	167.76
Beeton R.P.D.—Tecumseh twp	3 "	6.69
Buckskin R.P.D.—Matchedash, Wood and Medora twps	1 "	22.79
Cannington 1, R.P.D.—Brock and Eldon twps	5 "	496.94
Cannington 2, R.P.D.—Brock twp.	5 "	667.16
Elmvale R.P.D.—Flos twp	5 "	248.78
Flesherton R.P.D.—Artemesia twp.	7 "	209.92
Georgina R.P.D.—Georgina and Brock twps	3 "	364.05
Innisfil R.P.D.—Innisfil and Gwillimbury W. twps	1 "	124.00
Lucknow R.P.D.—Kinloss twp	3 "	10.11
Mariposa R.P.D.—Mariposa and Brock twps	6 "	2,084.71
Markdale R.P.D.—Artemesia twp.	5 "	195.86
Neustadt R.P.D.—Bentinck twp	2 "	5.46
Nottawasaga R.P.D.—Nottawasaga twp	7 "	1,154.74
Orangeville R.P.D.—Garafraxa E. and Amaranth twps	2 "	186.84
Port Perry R.P.D.—Reach and Scugog twps	6 "	244.59
Ripley R.P.D.—Kinloss twp	3 "	12.53
Shelburne R.P.D.—Melancthon twp.	3 "	119.19
Sparrow Lake R.P.D. — Rama, Orillia N. and Morrison twps	4 "	808.17
Stayner R.P.D.—Nottawasaga, Sunnidale and Flos twps	6 "	2,098.82
Tara R.P.D.—Derby and Arran twp.	4 "	109.54
Uxbridge R.P.D.—Uxbridge and Reach twp	4 "	104.88
Walkerton Quarry R.P.D.—Brant twp	7 "	139.67
		427,618.34

GEORGIAN BAY SYSTEM

Reserve for Sinking Fund—October 31, 1928

Total provision for sinking fund to October 31, 1927		$357,428.95
Provided in the year ending October 31, 1928:		
By charges included in the cost of power delivered to municipalities and rural power districts	$50,221.77	
By charges included in the costs of distribution of power within rural power districts	1,418.82	
By charges against contracts with private companies which purchased power	4,251.65	
Interest at 4% per annum on the amount standing at the credit of the account	14,297.15	
		70,189.39
		$427,618.34

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective Rural Lines, for the year ending October 31, 1928

Lines operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brechin	922.02	48.22	16.60	18.44	9.22	92.48
Flesherton	1,885.41	105.77	33.94	37.71	18.85	196.27
Totals	2,807.43	153.99	50.54	56.15	28.07	283.75

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the Sinking Fund paid in respect of each line, together with Interest allowed thereon to October 31, 1928

Lines operated by	Period of years ending October 31, 1928	Amount
		$ c.
Brechin	10 years	175.80
Flesherton	11 "	294.90
		470.70

GEORGIAN BAY SYSTEM—RURAL LINES

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927		$114.37
Added during the year ending October 31, 1928	$56.15	
Interest at 4% per annum on the monthly balances at the credit of the account	4.57	
		60.72
Balance carried forward October 31, 1928		$175.09

ST. LAWRENCE

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$137,055.88
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system:		
Transmission equipment	$45,121.90	
Rural power districts	6,898.85	
		52,020.75
Interest on capital investment in:		
Transmission equipment	$50,527.31	
Rural power districts	3,333.85	
		53,861.16
Provision for renewal of:		
Transmission equipment	$20,234.72	
Rural power districts	2,605.91	
		22,840.63
Provision for obsolescence and contingencies in respect of:		
Transmission equipment	$31,942.10	
Rural power districts	2,605.92	
		34,548.02
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities and rural power districts	$6,333.39	
By charges against contracts with private companies which purchased power	4,320.19	
By charges included in the cost of distribution of power within rural power districts	697.50	
		11,351.08
		$311,677.52

GEORGIAN BAY—RURAL LINES

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward, October 31, 1927		$28.59
Added during the year ending October 31, 1928	$28.07	
Interest at 4% per annum on the monthly balances at the credit of the account	1.14	
		29.21
Balance carried forward, October 31, 1928		$57.80

SYSTEM

ending October 31, 1928

REVENUE FOR PERIOD

Collected from municipalities	$110,963.24	
Power sold to private companies	179,316.03	
Collected from customers in rural power districts	23,945.92	
		$314,225.19
Add:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	$2,410.25	
Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied to them in the year	1,942.06	
		4,352.31
		$318,577.50
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$5,797.51	
Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto	1,102.47	
		6,899.98
Revenue		$311,677.52
		$311,677.52

ST. LAWRENCE

Statement showing the amount to be paid by each Municipality as the Cost (under the received by the Commission from each Municipality on account of such cost, pality upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1928	To Oct. 31 1928				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Alexandria	65.00	60.00	105,594.71	238.5	3,475.14	3,801.93	5,273.18	2,108.67
Apple Hill	70.00	55.00	9,539.44	28.9	421.10	480.65	476.69	190.64
Brockville	.....	30.00	195,982.34	1,564.6	22,797.48	7,568.55	9,654.95	3,912.48
Chesterville	45.00	40.00	56,400.15	253.4	3,692.24	2,398.15	2,519.77	1,019.23
Finch	73.65	74.00	17,127.47	30.8	448.78	660.17	816.99	324.65
Lancaster	.....	97.00	26,934.00	30.8	448.78	723.92	1,348.27	538.56
Martintown	60.00	55.00	4,681.31	18.1	263.73	355.00	233.61	93.54
Maxville	.....	86.00	34,372.44	47.3	689.20	750.13	1,720.41	687.24
Prescott	.....	30.00	60,993.47	505.5	7,365.54	2,652.11	2,850.08	1,150.53
Russell	85.00	80.00	23,974.99	45.7	665.89	773.98	1,154.41	459.91
Williamsburg	.....	55.00	6,114.26	31.6	460.44	684.99	300.19	121.08
Winchester	45.00	40.00	31,694.14	159.4	2,322.59	2,843.82	1,393.34	562.90
RURAL POWER DISTRICTS								
Apple Hill R.P.D.—Kenyon and Roxborough twps.			6,853.58	20.8	303.07	193.07	343.66	136.97
Brockville R.P.D. — Elizabethtown and Augusta twps.			6,741 37	50.1	730.00	919.98	329.90	134.59
Chesterville R.P.D.—Winchester, Finch and Russell twps.			11,893.73	40.0	582.83	372.41	552.14	220.71
Martintown R.P.D.—Charlottenburg and Lancaster twps.			10,235.03	35.9	523.09	259.62	508.57	204.50
Maxville R.P.D.—Kenyon twp.			249.62	0.8	11.66	7.23	12.56	4.99
Prescott R.P.D.—Augusta and Edwardsburg twps.			7,843.44	60.9	887.36	589.10	365.30	148.51
Williamsburg R.P.D.—Williamsburg twp.			483.72	2.5	36.43	44.04	24.06	9.58
Totals—Municipalities			573,408.72	2,954.6	43,050.91	23,693.40	27,741.89	11,169.43
Totals—Rural power districts			44,300.49	211.0	3,074.44	2,385.45	2,136.19	859.85
Totals—Companies			411,951.46	6,240.6	90,930.53	19,043.05	20,649.23	8,205.44
			1,029,660.67					
Non-operating capital			746,407.14					
Grand Totals			1,776,067.81	9,406.2	137,055.88	45,121.90	50,527.31	20,234.72

SYSTEM *COST OF POWER*

Power Commission Act) of Power supplied to it by the Commission, the amount —and the amount remaining to be credited or charged to each Municiof power supplied to it in the year ending October 31, 1928.

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Obsolescence and contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,026.53	1,110.22	16,795.67	1,185.87	15,609.80	14,542.86	.....	1,066.94
120.19	100.37	1,789.64	143.70	1,645.94	1,680.15	34.21	.....
5,386.82	2,059.92	51,380.20	7,779.55	43,600.65	46,936.94	3,336.29	.....
932.16	536.62	11,098.17	1,259.96	9,838.21	10,351.03	512.82	.....
139.22	170.93	2,560.74	153.14	2,407.60	2,279.18	.....	128.42
169.37	283.55	3,512.45	153.14	3,359.31	2,991.61	.....	367.70
71.24	49.24	1,066.36	90.00	976.36	1,009.53	33.17	.....
243.18	361.83	4,451.99	235.18	4,216.81	4,066.36	.....	150.45
1,734.36	605.75	16,358.37	2,513.45	13,844.92	15,166.00	1,321.08	.....
204.20	242.14	3,500.53	227.23	3,273.30	3,692.72	419.42	.....
121.33	63.75	1,751.78	157.12	1,594.66	1,735.18	140.52	.....
581.97	296.37	8,000.99	792.57	7,208.42	6,511.68	.....	696.74
85.53	72.11	1,134.41	103.42	1,030.99	1,030.99	see page	205
174.81	70.87	2,360.15	249.12	2,111.03	2,111.03	see page	205
155.42	116.20	1,999.71	198.89	1,800.82	1,800.82	see page	205
143.96	107.67	1,747.41	178.50	1,568.91	1,568.91	see page	205
3.25	2.62	42.31	3.98	38.33	38.33	see page	205
211.42	78.19	2,279.88	302.80	1,977.08	1,977.08	see page	205
9.60	5.04	128.75	12.43	116.32	116.32	see page	205
10,730.57	5,880.69	122,266.89	14,690.91	107,575.98	110,963.24	5,797.51	2,410.25
783.99	452.70	9,692.62	1,049.14	8,643.48	8,643.48	.....	.....
20,427.54	4,320.19	163,575.98	(15,740.05)	179,316.03	179,316.03	.....	.....
31,942.10	10,653.58	295,535.49	.....	295,535.49	298,922.75	.....	.....

Net Credit.....15,740.05

ST. LAWRENCE SYSTEM—

Statement showing the costs of distribution of power within each Rural Power District, amounts remaining to be credited to certain districts or charged to the Muniment) of the actual costs in the year

Districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on page 203
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Apple Hill R.P.D.—Kenyon and Roxborough twps.	*17,793.64	8,803.44	8,990.20	1,030.99
Brockville R.P.D.—Elizabethtown and Augusta twps.	21,429.45	10,714.72	10,714.73	2,111.03
Chesterville R.P.D.—Finch and Russell twps.	*34,734.32	16,456.69	18,277.63	1,800.82
Martintown R.P.D.—Charlottenburg and Lancaster twps.	29,959.14	14,979.57	14,979.57	1,568.91
Maxville R.P.D.—Kenyon twp.	*423.86	124.10	299.76	38.33
Prescott R.P.D.—Augusta and Edwardsburg twps.	28,691.99	14,346.00	14,345.99	1,977.08
Williamsburg R.P.D.—Williamsburg twp.	3,611.28	1,805.64	1,805.64	116.32
	136,643.68		69,413.52	
Non-operating capital	6,684.60		6,684.60	
Totals	143,328.28	67,230.16	76,098.12	8,643.48

NOTE.—Items marked * include portions of transmission lines used for purposes of rural

RURAL POWER DISTRICTS *RURAL OPERATING*

the revenues collected from (or charged to) customers within each district, and the cipalities comprising certain other districts upon ascertainment (by annual adjust- ending October 31, 1928

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
908.54	440.59	346.42	346.42	92.18	3,165.14	3,590.81	425.67	.....
970.96	509.04	404.56	404.56	106.50	4,506.65	4,076.52	.....	430.13
1,820.36	855.00	643.10	643.10	178.88	5,941.26	6,618.06	676.80	.....
1,177.54	729.88	580.08	580.08	152.71	4,789.20	4,372.76	.....	416.44
8.42	13.01	6.82	6.82	2.72	76.12	56.57	.....	19.55
1,794.02	703.19	558.86	558.86	147.12	5,739.13	4,847.31	.....	891.82
219.01	83.14	66.07	66.08	17.39	568.01	383.89	.....	184.12
6,898.85	3,333.85	2,605.91	2,605.92	697.50	24,785.51	23,945.92	1,102.47	1,942.06

power districts. Net Charge..... 839.59

ST. LAWRENCE

Statement showing the net Credit or Charge to each Municipality in respect of power ments made, and interest added during the year, also the net amount Credited October 31, 1928, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alexandria	Jan., 1921	2,854.49			2,870.11
Apple Hill	April, 1921	539.13			540.99
Brockville	April, 1915	19,844.68			19,939.33
Chesterville	April, 1914	1,383.90			1,400 10
Finch	Feb. 1928				
Lancaster	May, 1921		9,818.05	1,360.76	
Martintown	May, 1921	192.77			126.01
Maxville	Feb., 1921		4,715.56	2,996.91	
Prescott	Dec., 1913	3,990.79			4,018.20
Russell	Feb., 1926	379.42			382.24
Williamsburg	April, 1915	794.16			795.98
Winchester	Jan., 1914	1,818.34			1,827.56
RURAL POWER DISTRICTS					
Apple Hill R.P.D.—Kenyon and Roxborough twps.	Nov., 1923		3.83		1.39
Brockville R.P.D. — Elizabethtown and Augusta twps.	Nov., 1921	1,126.08		116.87	
Chesterville R.P.D.—Winchester Finch and Russell twps.	Nov., 1921	117.66			2.41
Martintown R.P.D.—Charlottenburg and Lancaster twps.	Jan., 1922		1,859.88		1.84
Maxville R.P.D.—Kenyon twp.	Dec., 1927				
Prescott R.P.D. — Augusta and Edwardsburg twps.	June, 1922	17.30			3.45
Williamsburg R.P.D.—Williamsburg twp	Feb., 1923	65.59			
		33,124.31	16,397.32	4,474.54	31,909.61

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1927, the cash receipts and payments thereon, adjust-or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1928.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
50.67	.....	.....	1,066.94	.....	1,031.89
8.63	.....	34.21	.....	40.98	.....
557.65	.....	3,336.29	.....	3,799.29	.....
21.54	.....	512.82	.....	518.16	.....
.....	.....	.....	128.42	.....	128.42
.....	373.78	.....	367.70	.....	9,198.77
4.56	.....	33.17	.....	104.49	.....
.....	103.70	.....	150.45	.....	1,972.80
104.54	.....	1,321.08	.....	1,398.21	.....
7.88	.....	419.42	.....	424.48	.....
23.61	.....	140.52	.....	162.31	.....
44.46	.....	.....	696.74	.....	661.50
.....	0.15	425.67	.....	420.30	.....
45.04	.....	.....	430.13	857.86	.....
4.71	.....	676.80	.....	796.76	.....
.....	74.40	.....	416.44	.....	2,352.56
.....	.....	.....	19.55	.....	19.55
0.69	.....	.....	891.82	.....	877.28
2.62	.....	.....	184.12	.....	115.91
876.60	552.03	6,899.98	4,352.31	8,522.84	16,358.68

ST. LAWRENCE SYSTEM

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927	$202,859.54	
Deduct:		
Expenditures to October 31, 1927	18,483.25	
Balance brought forward October 31, 1927		$184,376.29
Added during the year ending October 31, 1928:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$12,029.28	
Amounts included in costs of distribution of power within rural power districts	2,605.91	
Provision against equipment employed in respect of contracts with private companies which purchased power	8,205.44	
Provisions for renewal of plant transferred	908.95	
Provision at 4% per annum on monthly balances at the credit of the account	7,411.41	
		31,160.99
		$215,537.28
Deduct:		
Expenditures during the year ending October 31, 1928		6,644.98
Balance carried forward October 31, 1928		$208,892.30

ST. LAWRENCE SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward October 31, 1927		$75,530.22
Added during the year ending October 31, 1928:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$11,514.56	
Amounts included in the costs of distribution of power within rural power districts	2,605.92	
Provision against equipment employed in respect of contracts with private companies which purchased power	20,427.54	
Interest at 4% per annum on monthly balances at the credit of the account	3,118.41	
		37,666.43
		$113,196.65
Deduct:		
Proportionate share of expenditures with interest thereon in the years 1909 to 1925 made by the Commission out of advances by the Province for the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein—payment made in October, 1928	$22,937.61	
Expenditures during the year ending October 31, 1928	8,050.61	
		30,988.22
Balance carried forward October 31, 1928		$82,208.43

ST. LAWRENCE SYSTEM — *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Municipality	Period of years ending October 31, 1928	Amount
		$ c.
Alexandria	4 years	7,961.85
Apple Hill	4 "	739.91
Brockville	8 "	41,546.75
Chesterville	9 "	9,715.75
Finch	1 "	212.96
Lancaster	4 "	1,703.52
Martintown	4 "	414.00
Maxville	4 "	2,198.06
Prescott	9 "	10,142.52
Russell	3 "	887.27
Williamsburg	8 "	988.29
Winchester	9 "	5,055.93
RURAL POWER DISTRICT		
Apple Hill R.P.D.—Kenyon and Roxborough twps.	4 "	392.57
Brockville R.P.D.—Elizabethtown and Augusta twps.	7 "	1,955.54
Chesterville R.P.D.—Winchester, Finch and Russell twps.	7 "	988.72
Martintown R.P.D.—Charlottenburg and Lancaster twps.	7 "	1,500.64
Maxville R.P.D.—Kenyon twp	1 "	6.43
Prescott R.P.D.—Augusta and Edwardsburg twps.	7 "	1,958 99
Williamsburg R.P.D.—Williamsburg twp	4 "	34.43
Total		$88,404.13

ST. LAWRENCE SYSTEM

Reserve for Sinking Fund, October 31, 1928

Total provision for sinking fund to October 31, 1927		$74,089.47
Provided in the year ending October 31, 1928:		
By charges included in the cost of power delivered to municipalities and rural power districts	$6,333.39	
By charges included in the costs of distribution of power within rural power districts	697.50	
By charges against contracts with private companies which purchased power	4,320.19	
Interest at 4% per annum on the amount standing at the credit of the account	2,963.58	
		14,314.66
		$88,404.13

RIDEAU

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$6,637.44
Cost of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of the system		27,610.88
Interest on capital investment		56,477.82
Provision for renewal of generating plant, lines and stations, etc		12,309.04
Provision for obsolescence and contingencies		27,665.52
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities	$10,652.10	
By charges against contracts with private companies which purchased power	843.24	
		11,495.34
		$142,196.04

RIDEAU

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Share of operating costs		
	To Jan. 1, 1928	To Oct. 31, 1928			Cost of power purchased	Operation, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Carleton Place	.....	50.00	287,211.32	764.6	1,603.52	6,927.59	14,719.17
Kemptville	65.00	60.00	67,318.76	189.7	397.84	2,207.81	3,448.70
Lanark	.....	80.00	25,093.20	46.0	96.47	469.82	1,290.52
Perth	.....	50.00	261,792.67	745.8	1,564.10	6,422.41	13,416.05
Smiths Falls	.....	45.00	380,082.88	1,212.6	2,543.07	9,835.42	19,444.42
Totals—Municipalities			1,021,498.83	2,958.7	6,205.00	25,863.05	52,318.86
Totals—Companies			80,770.38	206.2	432.44	1,747.83	4,158.96
			1,102,269.21				
Non-operating capital			86,752.25				
Grand totals			1,189,021.46	3,164.9	6,637.44	27,610.88	56,477.82

SYSTEM

ending October 31, 1928

REVENUE FOR PERIOD

Collected from municipalities	$145,342.48
Power sold to private companies	9,258.28
	$154,600.76
Deduct:	
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	12,404.72
Revenue	$142,196.04
	$142,196.04

SYSTEM *COST OF POWER*

the Power Commission Act) of Power supplied to it by the Commission; the amount and the amount remaining to be credited to each Municipality cost of power supplied to it in the year ending October 31, 1928.

and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited to each municipality upon ascertainment of the actual cost of power by annual adjustment
Renewals	Obsolescence and contingencies	Sinking fund				Credited
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,392.05	6,739.14	2,997.39	186.69	36,565.55	38,231.79	1,666.24
762.79	1,665.44	702.18	46.32	9,231.08	11,571.37	2,340.29
360.35	431.37	262.61	11.23	2,922.37	3,680.62	758.25
2,941.52	6,523.77	2,730.39	182.10	33,780.34	37,290.87	3,510.53
3,871.27	10,488.64	3,959.53	296.07	50,438.42	54,567.83	4,129.41
11,327.98	25,848.36	10,652.10	722.41	132,937.76	145,342.48	12,404.72
981.06	1,817.16	843.24	(722.41)	9,258.28	9,258.28	.....
12,309.04	27,665.52	11,495.34	.....	142,196.04	154,600.76	.....

RIDEAU

Statement showing the net Credit to each Municipality in respect of power supplied as a credit to each Municipality year; also the net amount credited to each Municipality in respect of power sup-

Municipality	Date commenced operating	Net credit October 31, 1927	Payment on account of such credits
		Credit	Credited
		$ c.	$ c.
Carleton Place	May, 1919	786.48	786.48
Kemptville	Dec., 1921	2,951.31	2,951.31
Lanark	Sept., 1921	482.02	482.02
Perth	Feb., 1919	2,554.51	2,554.51
Smith Falls	Sept., 1918	3,364.09	3,364.09
		10,138.41	10,138.41

RIDEAU SYSTEM

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927	$104,488.17	
Deduct:		
Expenditures to October 31, 1927	2,551.86	
Balance brought forward October 31, 1927		$101,936.31
Added during the year ending October 31, 1928;		
Amounts charged to municipalities as part of the cost of power delivered to them	$11,327.98	
Provision against equipment employed in respect of contracts with private companies which purchased power	981.06	
Interest at 4% per annum on monthly balances at the credit of the account	4,077.45	
		16,386.49
Balance carried forward October 31, 1928		$118,322.80

RIDEAU SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward October 31, 1927		$69,556.43
Added during the year ending October 31, 1928:		
Amounts charged to municipalities as part of the cost of power delivered to them	$25,848.36	
Provision against equipment employed in respect of contracts with private companies which purchased power	1,817.16	
Interest at 4% per annum on monthly balances at the credit of the account	2,782.26	
		30,447.78
		$100,004.21
Deduct:		
Proportionate share of expenditures with interest thereon in the years 1909 to 1925, made by the Commission out of advances by the Province for the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein—payment made in October 1928		13,658.57
Balance carried forward October 31, 1928		$86,345.64

SYSTEM *CREDIT OR CHARGE*

to it to October 31, 1927; the payments thereon and interest added during the plied in the year ending October 31, 1928; and the accumulated amount standing at October 31, 1928

Interest at 4% per annum added during the year	Net amount credited in respect of power supplied in the year ending October 31, 1928	Accumulated amount standing as a credit on October 31, 1928
Credited	Credited	Credit
$ c.	$ c.	$ c.
15.21	1,666.24	1,681.45
54.88	2,340.29	2,395.17
9.38	758.25	767.63
44.95	3,510.53	3,555.48
56.62	4,129.41	4,186.03
181.04	12,404.72	12,585.76

RIDEAU SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Municipality	Period of years ending October 31, 1928	Amount
		$ c.
Carleton Place	4 years	15,779.26
Kemptville	4 "	3,597.66
Lanark	4 "	1,193.85
Perth	4 "	12,817.57
Smith Falls	5 "	20,804.18
		54,192.52

RIDEAU SYSTEM

Reserve for Sinking Fund, October 31, 1928

Total provision for sinking fund to October 31, 1927		$41,054.98
Provided in the year ending October 31, 1928:		
By charges included in the cost of power delivered to municipalities	$10,652.10	
By charges against contracts with private companies which purchased power	843.24	
Interest at 4% per annum on the amount standing at the credit of the account	1,642.20	
		13,137.54
		$54,192.52

THUNDER BAY

Operating Account for

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Cost of operating and maintaining generating plants, transformer stations and transmission lines, including the proportion of administrative expenses chargeable to the operation of the system		$143,353.98
Interest on capital investment		651,827.79
Provision for renewal of generating plants, transformer stations and transmission lines		109,106.32
Provision for obsolescence and contingencies		107,636.54
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities	102,921.76	
By charges against contracts with private companies which purchased power	28,630.96	
		131,552.72
		$1,143,477.35

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Share of operating	
				Operation, maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.
Fort William	21.00 plus certain transformation charges	2,252,347.28	9,226.8	25,694.91	117,377.27
Nipigon twp	40.00	10,038.86	43.8	395.27	523.25
Port Arthur	21.00 plus certain transformation charges	7,519,819.48	31,277.5	89,266.31	391,886.09
Totals—Municipalities		9,782,205.62	40,548.1	115,356.49	509,786.61
Totals—Companies		2,721,019.93	11,653.5	27,997.49	142,041.18
		12,503,225.55			
Non-operating capital		1,829,711.68			
Grand totals		14,332,937.23	52,201.6	143,353.98	651,827.79

SYSTEM

Year Ending October 31, 1928

REVENUE FOR PERIOD

Collected from municipalities	$902,773.59	
Power sold to private companies	242,257.96	
		$1,145,031.55
Add:		
Amount due by one municipality being the difference between the sums paid and the cost of power supplied to it in the year		400.54
		$1,145,432.09
Less:		
Amounts collected from two municipalities in excess of the sums required to be paid by them for power supplied in the year		1,954.74
Revenue		$1,143,477.35
		$1,143,477.35

SYSTEM *COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1928

costs and fixed charges		Sinking fund	Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,930.19	19,257.68	23,697.28	739.39	206,696.72	208,103.61	1,406.89	.....
86.56	90.54	105.64	3.51	1,204.77	1,752.62	547.85	.....
65,834.75	64,705.49	79,118.84	2,506.42	693,317.90	692,917.36	.....	400.54
85,851.50	84,053.71	102,921.76	3,249.32	901,219.39	902,773.59	1,954.74	400.54
23,254.82	23,582.83	28,630.96	3,249.32	242,257.96	242,257.96	.....	.....
109,106.32	107,636.54	131,552.72	.....	1,143,477.35	1,145,031.55	.....	.....

THUNDER BAY

Statement showing the net credit or charge to each Municipality in respect of power added during the year; also the net amount credited or charged to each and the accumulated amount standing as a credit

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Fort William	Oct., 1926	.....	10,628.81	10,628.81	.....
Nipigon twp	Jan., 1925	1,167.97	.....	.....	1,167.97
Port Arthur	Dec., 1910	.....	42,088.51	42,088.51	.....
		1,167.97	52,717.32	52,717.32	1,167.97

THUNDER BAY SYSTEM

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927		$383,557.95
Deduct:		
Expenditures to October 31, 1927	1,856.52	
Balance brought forward October 31, 1927		$381,701.43
Added during the year ending October 31, 1928:		
Amounts charged to municipalities as part of the cost of power delivered to them	$85,851.50	
Provision against equipment employed in respect of contracts with private companies which purchased power	23,254.82	
Interest at 4% per annum on monthly balances at the credit of the account	15,268.06	
		124,374.38
		$506,075.81
Deduct:		
Expenditures during the year ending October 31, 1928		97.90
Balance carried forward October 31, 1928		$505,977.91

THUNDER BAY SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds provided out of other revenues of the system and interest allowed thereon to October 31, 1928

Municipality	Period of years ending October 31, 1928	Amount
		$ c.
Fort William	2 years	59,089.34
Nipigon township	2 "	316.17
Port Arthur	2 "	207,370.25
		266,775 76

SYSTEM — CREDIT OR CHARGE

supplied to it to October 31, 1927, the cash receipts and payments thereon, and interest Municipality in respect of power supplied in the year ending October 31, 1928 or charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in theyear ending October 31,1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	341.52	1,406.89	.....	1,065.37	.....
30.19	.....	547.85	.....	578.04	.....
.....	837.17	.....	400.54	.....	1,237.71
30.19	1,178.69	1,954.74	400.54	1,643.41	1,237.71

THUNDER BAY SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1928

Balance brought forward October 31, 1927		$100,824.23
Added during the year ending October 31, 1928:		
Amount charged to municipalities as part of the cost of power delivered to them	$84,053.71	
Provision against equipment employed in respect of contracts with private companies which purchased power	23,582.83	
Interest at 4% per annum on monthly balances at the credit of the account	4,032.97	
		111,669.51
		$212,493.74
Deduct:		
Proportionate share of expenditures, with interest thereon in the years 1909 and 1925, made by the Commission out of advances by the Province for the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein—payment made in October 1928		31,241.78
Balance carried forward October 31, 1928		$181,251.96

THUNDER BAY SYSTEM

Reserve for Sinking Fund, October 31, 1928

Total provision for sinking fund to October 31, 1927		$130,022.16
Provided in the year ending October 31, 1928:		
By charges included in the cost of power delivered to municipalities	$102,921.76	
By charges against contracts with private companies which purchased power	28,630.96	
Interest at 4% per annum on the amount standing at the credit of the account	5,200.88	
		136,753.60
		$266,775.76

OTTAWA

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$208,283.46
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system:		
Transmission equipment	$1,508.34	
Rural power district	5,036.27	
		6,544.61
Interest on capital investment in:		
Transmission equipment	$257.66	
Rural power district	3,203.43	
		3,461.09
Provision for renewal of:		
Transmission equipment	$106.51	
Rural power district	2,687.03	
		2,793.54
Provision for obsolescence and contingencies in respect of:		
Transmission equipment	$40.11	
Rural power district	1,343.51	
		1,383.62
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities and Nepean rural power district	$56.08	
By charges included in the cost of distribution of power within Nepean rural power district	710.38	
		766.46
		$223,232.78

OTTAWA

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of purchased power	Operating maintenance and administrative expenses
	$ c.	$ c.		$ c.	$ c.
Ottawa		1,314.71	18,394.8	203,218.18	1,246.11
Richmond	84.50	5,386.62	6.3	133.91	67.78
RURAL POWER DISTRICT:					
Nepean R.P.D.		4,439.29	232.0	4,931.37	194.45
Nepean twp.					
Goulburn twp.					
Gower N. twp.					
Gloucester twp.					
Osgoode twp.					
Totals—Municipalities		6,701.33	18,401.1	203,352 09	1,313.89
Totals—Rural power district		4,439.29	232.0	4,931.37	194.45
		11,140.62			
Non-operating capital		112,086.90			
Grand totals		123,227.52	18,633.1	208,283.46	1,508.34

SYSTEM

ending October 31, 1928

REVENUE FOR PERIOD		
Collected from municipalities	$205,099.84	
Collected from customers in Nepean rural power district	21,669.23	
		$226,769.07
Deduct:		
Amounts collected from municipality of Richmond in excess of the sum required to be paid for power supplied in the year	$206.59	
Amounts collected from customers in Nepean rural power district in excess of the cost of power delivered thereto	3,329.70	
		3,536.29
Revenue		$223,232.78

$223,232.78

SYSTEM *COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount cost; and the amount remaining to be credited to each Municipality upon power supplied to it in the year ending October 31, 1928

Share of operating costs and fixed charges				Total cost of power for year as provided to be paid under Power Commission Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited to each municipality upon ascertainment of the actual cost of power by annual adjustment
Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
67.31	26.29	.....	13.84	204,571.73	204,571.73	.....
64.79	27.16	13.58	14.30	321.52	528.11	206.59
125.56	53.06	26.53	27.94	5,358.91	5,358.91	.....
132.10	53.45	13.58	28.14	204,893.25	205,099.84	206.59
125.56	53.06	26.53	27.94	5,358.93	5,358.93	
257.66	106.51	40.11	56.08	210,252.16	210,458.75	

OTTAWA SYSTEM—

Statement showing the costs of distribution of power within Nepean rural power remaining to be credited to this district upon ascertainment (by annual

Rural power district and municipalities comprised therein	Total capital cost of this district, provincial government grant received and applied thereagainst, and the balance representing the investment by the Commission			Distribu	
	Total capital cost	Government grant	Commission's investment	Cost of power delivered to this district as shown in "cost of power" table	Cost of operation maintenance and administration
	$ c.	$ c.	$ c.	$ c.	$ c.
Nepean R.P.D.	130,384.26	64,045.56	66,338.70	5,358.91	5,036.27
Nepean twp.					
Goulburn twp.					
Gower N. twp.					
Gloucester twp.					
Osgoode twp.					
Non-operating capital	11,765.31	.....	11,765.31	.....	.....
	*142,149.57	64,045.56	78,104.01	5,358.91	5,036.27

*Includes portion of transmission lines used for purposes of rural power districts.

OTTAWA

Statement showing the net charge to each municipality in respect of power supplied to each Municipality in respect of power supplied in the year ending to each Municipality at

Municipality	Date commenced operating	Net charge at October 31, 1927	Adjustment made during the year
		Charge	Charged
		$ c.	$ c.
Ottawa	Jan., 1914	.....	.....
Richmond	Aug., 1928	.....	.....
RURAL POWER DISTRICT:			
Nepean R.P.D.	Feb., 1922	228.57	57.60
Nepean twp.			
Goulburn twp.			
Gower N. twp.			
Gloucester twp.			
Osgoode twp.			
Totals	.....	228.57	57.60

RURAL POWER DISTRICT — *RURAL OPERATING*

district; the revenue collected from customers within this district; and the amount adjustment) of the actual costs in the year ending October 31, 1928

tion costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amount remaining to be credited to Nepean rural power district
Interest on capital investment	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,203.43	2,687.03	1,343.51	710.38	18,339.53	21,669.23	3,329.70
3,203.43	2,687.03	1,343.51	710.38	18,339.53	21,669.23	3,329.70

SYSTEM — *CREDIT OR CHARGE*

to it to October 31, 1927; interest added during the year; also the net amount credited October 31, 1928, and the accumulated amount standing as a credit October 31, 1928

Interest at 4% per annum added during the year	Net amount credited in respect of power supplied in year ending October 31, 1928	Accumulated amount standing as a credit on October 31, 1928
Charged	Credited	Credit
$ c.	$ c.	$ c.
.....	.....	.....
.....	206.59	206.59
9.34	3,329.70	3,034.19
9.34	3,536.29	3,240.78

OTTAWA SYSTEM

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927	$6,890.05	
Deduct expenditures to October 31, 1927	699.10	
Balance brought forward October 31, 1927		$6,190.95
Added during the year ending October 31, 1928:		
Amount charged to the municipalities and Nepean rural power district as part of the cost of power delivered to them	$106.51	
Amounts included in the costs of distribution of power to consumers within the Nepean rural power district	2,687.03	
Interest at 4% per annum on monthly balances at the credit of the account	247.64	3,041.18
Balance carried forward October 31, 1928		$9,232.13

HYDRO-ELECTRIC POWER

Account with the Provincial Treasurer

NIAGARA AND

October 31st, 1928:		
Cash returned to the Province in the year ending October 31, 1928, to cover the difference between the advances by the Province to the Commission and the capital expenditures made out of such advances by the Commission in the year ending October 31, 1927		$647,030.54
April 30, 1928:		
Paid on account of interest	$3,958,391.61	
October 31, 1928:		
Cheque to cover balance of interest for year ending October 31, 1927	3,859,453.68	7,817,845.29
October 31, 1928:		
Payment under debt retirement plan		1,417,529.45
October 31, 1928:		
Balance carried down		137,462,584.41
		$147,344,989.69

OTTAWA SYSTEM

Reserve for Obsolescence and Contingencies October 31, 1928

Total provision for contingencies to October 31, 1927		$4,284.18
Added during the year ending October 31, 1928:		
Amounts charged to municipalities of Richmond and Nepean rural power district as part of the cost of power delivered to them	$40.11	
Amounts included in the costs of distribution of power to consumers within the Nepean rural power district	1,343.51	
Interest at 4% per annum on monthly balances at the credit of the account	171.37	
		1,554.99
		$5,839.17
Deduct:		
Proportionate share of expenditures, in the years 1909 to 1925, incidental to the establishment of the power systems and for the ultimate benefit of the municipalities comprised therein, which expenditures were originally made by the Commission out of advances by the province of Ontario and such advances were repaid to the province in October, 1928, together with interest thereon		3,503.99
		$2,335.18

OTTAWA SYSTEM

For Sinking Fund Table see next page

COMMISSION OF ONTARIO

for the Year ending October 31, 1928

OTHER SYSTEMS

October 31, 1927:		
Cash advances to date	$138,698,793.40	
Less repayments to that date under debt retirement plan	6,150,567.00	
		$132,548,226.40
November 1, 1927, to October 31, 1928:		
Sundry cash advances		6,978,918.00
October 31, 1928:		
Interest for year on all cash advances, including those made in respect of Central Ontario system	$8,115,585.89	
Less—Interest credited by Province on repayments made by Commission	297,740.60	
		7,817,845.29
		$147,344,989.69

November 1, 1928:	
Total cash advances	$145,030,680.86
Less: Payments made under debt retirement plan	7,568,096.45
	$137,462,584.41

OTTAWA SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, and interest allowed thereon to October 31, 1928

Municipality	Period of years ending October 31, 1928	Amount
		$ c.
Ottawa	13 years	172.16
Richmond	1 year	14.30
Rural Power District:		
Nepean R.P.D.—Gloucester, Goulburn, Gower, N. Nepean and Osgoode twps	7 years	2,743.72
Total		2,930.18

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

Operating Account for the Year Ending October 31, 1928

EXPENDITURE

Transportation expenses	$327,980.11	
Maintenance—way and structures	69,278.50	
Maintenance—equipment	111,810.19	
Power	123,742.38	
Rental of motor buses	102,376.45	
General operating and management expenses	64,887.38	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	22,483.76	
Taxes	4,565.18	
Insurance—fire and liability	59,995.43	
Written off valuation and other expenses re purchase of the railway by the Commission	1,779.54	
Total operating expenses		$888,898.92
Interest		255,716.75
Surplus for the year (before provision for depreciation of road and equipment)		14,095.05
		$1,158,710.72

REVENUE

Passenger	$1,117,354.76	
Freight and express	29,569.28	
Miscellaneous	11,786.68	
Total revenue		$1,158,710.72
		$1,158,710.72

Deficit Account

Debit balance brought forward from October, 1927	$19,980.01
	$19,980.01
Operating surplus for year ending October 31, 1928	$14,095.05
Balance as shown on statement of assets and liabilities	5,884.96
	$19,980.01

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927	$195,388.55	
Deduct:		
Expenditures to October 31, 1927	91,659.22	
Balance brought forward October 31, 1927	$103,729.33	
Additional provision for renewals to October 31, 1927	4,487.91	
		108,217.24
Added during the year ending October 31, 1928:		
Interest at 4% per annum on the monthly balances to the credit of the account		4,149.17
		$ 112,366.41
Deduct:		
Expenditures during the year ending October 31, 1928		40,124.13
Balance carried forward October 31, 1928		$ 72,242.28

GUELPH RADIAL RAILWAY

Operating Account for the Year ending October 31, 1928

EXPENDITURE

Transportation expense	$25,314.99	
Maintenance—way and structures	8,418 13	
Maintenance—equipment	14,923.78	
Electric power and motor fuel	11,225.19	
Rental of motor bus	246.66	
General operating and management expenses	7,942.85	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	2,494.12	
Insurance	5,080.27	
Taxes	2,698.94	
Written off valuation and other expenses re purchase by the Commission	256.30	
		$78,601.23
Interest		14,733.74
Provision for instalments payable to the city of Guelph on May 1, 1928, and November 1, 1928, under purchase agreement:		
Interest for year	$5,015.23	
On account of principal	6,684.77	
		11,700.00
Provision for renewal of road and equipment		10,275.22
		$115,310.19

REVENUE

Operating revenue	$91,241.92
Net deficit for year, after provision for instalments on account of principal and interest payable to the city of Guelph	24,068.27
	$115,310.19

Reserve for Renewals, October 31, 1928

Total provision for renewals, to October 31, 1927		$18,937.37
Added during the year ending October 31, 1928:		
By appropriation for the year	$10,275.22	
Interest at 4% on the monthly balances to the credit of the account	757.50	
		11,032.72
		$29,970.09
Deduct:		
Expenditures during the year ending October 31, 1928		1,611.62
		$28,358.47

CENTRAL ONTARIO AND TRENT SYSTEM AND NIPISSING SYSTEM

The following balance sheet and operating account relate to the systems known as "Central Ontario and Trent" and "Nipissing" which, together, serve electrical energy to sixty-four municipalities, companies and rural power districts. The Central Ontario and Trent system extends from the municipality of Pickering on the west to and including the city of Kingston on the east and as far north as Lindsay. The Nipissing system supplies the towns of North Bay, Powassan and Callander, and the village of Nipissing. The Central Ontario and Nipissing systems were purchased by the Provincial Government, as at the 1st of March, 1916, from the Electric Power Company, Limited, the purchase price being the sum of $8,350,000.

Since the acquisition of these properties, and their transfer to the Commission to operate in trust for the Government, it has been found necessary to enlarge, extend and improve the systems to meet the increasing demands for electrical service until at present the capital investment approximates $15,000,000.

The Central Ontario system and the Trent system both receive their electrical energy from the same sources of power supply through the same main transmission network, and from the standpoint of power development and electrical operation are regarded as a unit, and are known as the Central Ontario and Trent system. It may be explained that after the Central Ontario system was purchased by the Provincial Government, a number of municipalities in central Ontario, from time to time, applied to the Hydro-Electric Commission for power to be supplied under the provisions of the Power Commission Act. The municipalities in central Ontario which thus enter into direct relationship with the Hydro-Electric Power Commission are for purposes of financial administration grouped in what is termed the "Trent" system.

The operation of these two systems—the "Central Ontario and Trent" and the "Nipissing"—entails the generation, transformation and transmission of electrical energy to thirty-three municipalities, fifteen companies and sixteen rural power districts, and in addition thereto the operation of three gas plants—at Peterborough, Oshawa and Cobourg—the Cobourg waterworks and the Campbellford pulp mill.

With the exception of fifteen municipalities, namely, Bloomfield, Havelock, Kingston, Lakefield, Lindsay, Madoc, Marmora, Norwood, Omemee, Peterborough, Picton, Stirling, Warkworth, Wellington and Whitby, eleven of which constitute the Trent system, the whole property, local and otherwise, is operated and maintained by the Commission. Although the ownership of the whole plant is vested in the Province (except the fifteen local systems of the municipalities mentioned), precisely the same methods, with respect to the control of rates, operation, maintenance, and provision for renewal of plant and equipment, are applied, as appertain to the other systems controlled and operated by the Commission.

An annual adjustment of the system's capital cost and expenses is made and those municipalities operating their own utilities and which have contracts for power to be supplied at cost, receive an additional charge or credit as the case may be—on account of power cost as ascertained by this adjustment, just as is done in the case of the municipalities comprising the Niagara system and other systems.

NOTE: The town of Lindsay assumed the ownership and operation of the distribution system within its boundaries on March 1, 1928.

CENTRAL ONTARIO

(ALSO NIPISSING

Operated by the Hydro-Electric

Statement of Assets and

ASSETS

Central Ontario:			
Power developments and hydraulic rights		$7,784,091.23	
Transmission lines		2,093,259.14	
Transformer stations		801,230.83	
			$10,678,581.20
Local utilities—electric, gas and water			2,489,219.00
Service buildings			41,615.43
Rural power districts		$409,711.99	
Less: Government grants		204,856.00	
			204,855.99
Nipissing:			
Power developments		$739,755.95	
Transmission lines		87,026.10	
Transformer stations		47,487.56	
			874,269.61
Local utilities—electric			246,470.11
Service buildings			6,343.66
Rural power district		$12,333.41	
Less: Government grants		6,166.71	
			6,166.70
Pulp mill and pulpwood areas			436,953.67
			$14,984,475.37
Reserve funds:			
Invested in securities of the Province of Ontario—par value	$1,580,000.00	$1,573,791.00	
Invested in securities of (or guaranteed by) the Dominion of Canada—par value	900,000.00	899,891.20	
Interest accrued thereon		19,220 83	
			2,492,903.03
Other investments:			
Debentures of the town of Trenton, re sale of waterworks		$17,024.37	
Debentures of the town of Napanee, re sale of property and water privileges		12,499.15	
Interest accrued thereon		1,175.56	
			30,699.08
Inventories:			
Tools and equipment		$56,271.40	
Material and supplies		268,254.93	
			324,526.33
Accounts receivable:			
Power and pulp mill accounts		$106,168.70	
Consumers' supply—sales accounts		21,628.04	
Consumers' light and power accounts		43,070.84	
		$170,867.58	
Less: Reserve for doubtful accounts		7,032.74	
			163,834.84
Balances due by certain municipalities in respect of the cost of power supplied to them as provided to be paid under their contracts with the Commission			776.99
Cash in branch banks			353.28
Hydro-Electric Power Commission of Ontario—current account			348,542.62
Expenses and insurance prepaid			2,994.78
Work in progress:			
Chargeable upon completion to capital construction			6,141.65
			$18,355,247.97

AND TRENT SYSTEM

SYSTEM)

Power Commission of Ontario

Liabilities, October 31, 1928

	LIABILITIES	
To Province of Ontario:		
Purchase price of system	$8,350,000.00	
Purchase price of Bruton pulpwood area	300,000.00	
Cash advances	6,823,235.21	
		$15,473,235.21
Debentures assumed in respect of rural lines in Whitby and East Whitby townships	$12,033.19	
Interest accrued thereon	556.76	
		12,589.95
Accounts payable and accrued charges	$24,077.36	
Consumers' deposits	35,615.85	
Unearned water rates	2,680.00	
		62,373.21
Balance due to certain municipalities in respect of amounts paid by them in excess of the cost of power supplied to them, as provided to be paid under their contracts with the Commission		69,835.65
Reserve for renewals		2,146,291.13
Reserve for obsolescence, contingencies and amortization		575,337.05
Surplus		15,585.77

Contingent Liabilities:		
In respect of contracts entered into for works under construction	$31,179.85	
		$18,355,247.97

CENTRAL ONTARIO

(ALSO NIPISSING

Operating Account for the Year

Cost of Operation		
Power Department:		
Power purchased	$11,426.17	
Cost of operating and maintaining generating plants, transmission lines, stations, rural power districts, etc., including rentals of water powers, and the proportion of administrative expenses chargeable to the operation of the power department	571,789.10	
Interest on capital investment	539,088.56	
Provision for renewal of generating plants, stations, lines, rural power districts, etc	104,654.57	
Provision for obsolescence, contingencies and amortization	270,349.71	$1,497,308.11
Utilities:		
Cost of operating and maintaining electric light distribution systems, gas systems and water system, including materials and supplies and the proportion of administrative expenses chargeable to the operation of these utilities	$332,692.20	
Interest on capital investment	130,140.55	
Provision for renewal of plants and equipment	49,055.24	
Provision for obsolescence, contingencies and amortization	77,868.92	589,756.91
Total cost of operation of power department and utilities		$2,087,065.02
Carrying charges for the year on the Bruton township pulpwood areas, and loss on operation of Campbellford pulp mill		71,571.83
Net operating surplus for the year		147,390.50
		$2,306,027.35

Surplus

Additional provision for obsolescence, contingencies and amortization	$135,000.00
Balance as shown on statement of assets and liabilities	15,585.77
	$150,585.77

AND TRENT SYSTEM

SYSTEM)

ending October 31, 1928

	REVENUE FOR PERIOD	
Power sold to private companies and certain municipalities, and the pulp mill	$339,932.21	
Power supplied to certain other municipalities at cost in accordance with their contracts with the Commission	368,764.00	
Power supplied at cost to works under construction	49.55	
		$708,745.76
Light and power sold to consumers on the nineteen electric light distribution systems	$1,360,180.15	
Gas sold to consumers on three gas systems, and sales of by-products	180,153.08	
Water sold to consumers on one water system	39,034.12	
		1,579,367.35
Total revenue from power department and utilities		$2,288,113.11
Net profit on sale of equipment and supplies, etc.		17,914.24
		$2,306,027.35

Account

Credit balance brought forward from October 31, 1927	$3,195.27
Net operating surplus for the year ending October 31, 1928	147,390.50
	$150,585.77

CENTRAL ONTARIO

Statement showing the amount to be paid by each of the following Municipalities received by the Commission from each Municipality on account of such ascertaining (by annual adjustment), the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating cost	
	To Jan. 1, 1928	To Oct. 31, 1928			Operation, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c
Bloomfield	65.00	65.00	38,413.76	88.4	1,583.28	1,809.95
Havelock	55.00	55.00	74,685.24	234.0	3,440.26	3,512.47
Lakefield	65.00	55.00	56,936.57	163.0	1,991.52	2,683.16
Lindsay	.....	44.00	240,626.58	940.6	14,621.50	11,297.59
Marmora	45.00	45.00	25,492.61	80.6	1,750.24	1,200.02
Norwood	44.00	44.00	29,038.14	122.9	1,760.69	1,360.28
Peterborough	32.00	32.00	1,172,987.61	5,799.2	53,993.48	55,124.98
Picton	50.00	50.00	230,197.98	627.4	8,721.72	10,811.40
Warkworth	60.00	60.00	16,815.12	49.6	785.93	792.02
Wellington	55.00	55.00	45,675.03	134.8	1,984.46	2,151.35
Whitby	32.00	36.00	213,581.71	838.5	10,399.28	9,760.97
RURAL POWER DISTRICT						
Belleville R.P.D.—Sidney and Thurlow twps.			28,300.02	129.0	1,393.15	1,297.02
Bowmanville R.P.D.—Darlington twp.			1,130.71	4.9	59.28	52.45
Campbellford R.P.D.—Rawdon and Seymour twps.			11,871.28	53.7	516.86	556.26
Cobourg R.P.D.—Alnwick and Hamilton twps.			3,153.46	13.7	172.89	147.85
Colborne R.P.D.—Haldimand twp.			9,260.67	36.9	438.46	428.97
Kingston R.P.D.—Kingston twp			11,410.30	38.3	438.48	536.49
Lakefield R.P.D.—Smith twp			104.80	0.3	3.44	4.37
Napanee R.P.D.—Richmond twp			478.11	2.0	24.05	22.43
Newcastle R.P.D.—Clarke and Darlington twps.			2,966.42	11.3	146.65	138.35
Oshawa R.P.D.—Darlington, Pickering, Whitby and East Whitby twps.			56,186.78	240.8	2,718.82	2,578.96
Peterborough R.P.D.—Douro, North Monaghon, Otonabee and Smith twps.			62,738.42	306.5	3,155.87	2,928.52
Pickering R.P.D.—Pickering and Whitby twps.			25,687.83	105.1	1,322.74	1,181.09
Port Hope R.P.D.—Hope twp			3,787.11	15.7	261.15	177.66
Trenton R.P.D.—Murray and Sidney twps.			2,104.79	10.0	112.04	98.55
Wellington R.P.D.—Hallowell twp			1,449.00	4.2	51.53	68.10
Totals—Municipalities			2,144,450.35	9,079.0	101,032.36	100,504.19
Totals—Rural Power Districts			220,629.70	972.4	10,815.41	10,217.07
Grand Totals			2,365,080.05	10,051.4	111,847.77	110,721.26

AND TRENT SYSTEM *COST OF POWER*

as the Cost of Power supplied to it under its contract with the Commission, the amount cost, and the amount credited or charged to each Municipality upon supplied to it in the year ending October 31, 1928

and fixed charges		Share of amount by which cost exceeds the revenue from power sold to private companies	Total cost of power for year as provided to be paid under contracts	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence contingencies and amortization				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
534.40	671.43	315.48	4,914.54	5,743.25	828.71	.....
876.91	1,417.82	835.08	10,082.54	12,870.70	2,788.16	.....
710.27	1,057.36	581.70	7,024.01	9,270.78	2,246.77	.....
2,338.45	4,902.46	3,356.73	36,516.73	41,386.38	4,869.65	.....
297.91	497.25	287.64	4,033.06	3,629.22	.....	403.84
256.81	611.93	438.60	4,428.31	5,406.47	978.16	.....
8,307.64	25,875.47	20,695.71	163,997.28	185,573.83	21,576.55	.....
2,937.28	4,162.85	2,239.02	28,872.27	31,368.28	2,496.01	.....
205.85	316.38	177.01	2,277.19	2,978.00	700.81	.....
558.96	855.36	481.06	6,031.19	7,411.67	1,380.48	.....
1,954.14	4,247.11	2,992.36	29,353.86	29,559.51	205.65	.....
214.55	599.37	460.36	3,964.45	3,964.45	see page 235	
9.48	23.69	17.49	162.39	162.39	see page 235	
96.19	254.95	191.64	1,615.90	1,615.90	see page 235	
27.04	66.97	48.90	463.65	463.65	see page 235	
85.75	190.42	131.68	1,275.28	1,275.28	see page 235	
127.37	222.18	136.68	1,461.20	1,461.20	see page 235	
1.07	1.83	1.08	11.79	11.79	see page 235	
4.30	9.99	7.14	67.91	67.91	see page 235	
29.20	60.20	40.32	414.72	414.72	see page 235	
466.92	1,160.55	859.34	7,784.59	7,784.59	see page 235	
445.40	1,372.47	1,093.81	8,996.07	8,996.07	see page 235	
227.11	523.28	375.07	3,629.29	3,629.29	see page 235	
34.44	79.46	56.03	608.74	608.74	see page 235	
15.80	45.76	35.69	307.84	307.84	see page 235	
17.86	26.99	14.98	179.46	179.46	see page 235	
18,978.62	44,615.42	32,400.39	297,530.98	335,198.09	38,070.95	403.84
1,802.48	4,638.11	3,470.21	30,943.28	30,943.28	.....	.....
20,781.10	49,253.53	35,870.60	328,474.26	366,141.37	.....	.....

CENTRAL ONTARIO AND TRENT SYSTEM—

Statement showing the costs of distribution of power within each Rural Power district, and the amounts remaining to be credited to certain districts ascertainment (by annual adjustment) of the actual

Rural power districts and municipalities comprised therein	Total capital cost of each district; Provincial Government grant received and applied thereagainst and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Belleville R.P.D.—Thurlow and Sidney twps...	32,825.59	16,076.61	16,748.98	3,964.45
Bowmanville R.P.D.—Darlington twp.....	720.18	360.09	360.09	162.39
Campbellford R.P.D.—Seymour and Rawdon twps.....	14,000.22	7,000.11	7,000.11	1,615.90
Cobourg R.P.D.—Alnwick and Hamilton twps.	36,914.79	18,457.39	18,457.40	463.65
Colborne R.P.D.—Haldimand twp.....	17,381.41	8,690.71	8,690.70	1,275.28
xa				583.53
Kingston R.P.D.—Kingston twp.....	29,477.46	14,738.73	14,738.73	1,461.20
Lakefield R.P.D.—Smith twp.....	212.00	106.00	106.00	11.79
Napanee R.P.D.—Richmond twp.....	1,093.83	546.92	546.91	67.91
Newcastle R.P.D.—Clarke and Darlington twps.....	6,435.80	3,054.39	3,381.41	414.72
Oshawa R.P.D.—East Whitby, Whitby, Pickering and Darlington twps.....	104,291.81	51,871.46	52,420.35	7,784.59
Peterborough R.P.D.—Douro, North Monaghon, Otonabee and Smith twps.....	71,044.72	35,522.36	35,522.36	8,996.07
Pickering R.P.D.—Pickering and Whitby twps.	21,205.94	10,602.98	10,602.96	3,629.29
Port Hope R.P.D.—Hope twp.....	15,945.78	7,972.89	7,972.89	608.74
Trenton R.P.D.—Murray and Sidney twps....	2,558.64	1,279.32	1,279.32	307.84
Wellington R.P.D.—Hallowell twp.....	2,043.19	928.21	1,114.98	179.46
	356,151.36	177,208.17	178,943.19 *	31,526.81

NIPISSING SYSTEM—

North Bay R.P.D.—West Ferris twp.....	12,333.41	6,166.71	6,166.70	2,485.04

MEMO:

xa Indicates power purchased from local municipality.

* Reconciliation of Commission's investment as above	$178,943.19
Work in progress	27,647.84
	$206,591.03
Less a transfer from transmission lines	1,735.04
As per statement of assets and liabilities	$204,855.99

RURAL POWER DISTRICTS *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each or charged to the Municipalities comprising certain other districts upon costs in the year ending October 31, 1928

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amount remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Obsolescence, contingencies and amortization			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c
2,667.59	671.08	550.96	284.64	8,138.72	12,811.99	4,673.27	.....
78.22	17.13	14.40	7.39	279.53	219.54	.....	59.99
135.64	332.93	280.00	143.70	2,508.17	2,746.89	238.72	.....
1,854.62	329.79	277.37	142.36	3,067.79	2,961.71	.....	106.08
614.40	389.84	327.87	168.28	2,775.67	3,266.70	491.03	.....
1,954.25	691.63	581.68	298.55	5,570.84	4,922.86	.....	647.98
22.84	1.23	1.03	0.53	37.42	15.94	.....	21.48
159.74	26.01	21.88	11.23	286.77	170.78	.....	115.99
451.26	132.75	105.11	54.85	1,158.69	1,194.58	35.89	.....
5,713.38	2,262.36	1,891.76	972.47	18,624.56	23,151.24	4,526.68	.....
4,063.29	1,254.95	1,055.47	541.72	15,911.50	19,440.73	3,529.23	.....
1,814.30	455.07	382.74	196.44	6,477.84	7,734.38	1,256.54	.....
452.66	336.30	282.85	145.17	1,825.72	1,888.63	62.91	.....
234.89	57.30	48.19	24.74	672.96	1,274.22	601.26	.....
75.98	39.32	29.35	15.58	339.49	437.48	97.99	.....
20,292.86	6,997.69	5,850.66	3,007.65	67,675.67	82,237.67	15,513.52	951.52

RURAL POWER DISTRICT

632.18	193.66	162.88	83.59	3,557.35	3,966 07	408.72	.....

CENTRAL ONTARIO

Statement showing the net Credit or Charge to each of the following Municipalities thereon, adjustments made and interest added during the year, also the net In the year ending October 31, 1928, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1927		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c	$ c.	$ c.
Bloomfield	April, 1919	158.05			160.68
Havelock	Feb., 1921	1,350.93			1,374.50
Lakefield	Aug., 1920	2,765.75			2,822.52
Lindsay	Mar., 1928				
Marmora	Jan., 1921		200.38	203.52	
Norwood	Feb., 1921	441.31			448.66
Peterborough	Mar., 1913	2,488.22			2,521.71
Picton	April, 1919		962.34	977.38	
Warkworth	Oct., 1923	125.31			127.40
Wellington	April, 1919	438.91			446.22
Whitby	Jan., 1926		3,842.97	3,950.07	
RURAL POWER DISTRICT					
Belleville R.P.D.—Thurlow and Sidney twps.	Sept., 1927	345.83			48.03
Bowmanville R.P.D.—Darlington twp.	Jan., 1924	69.56			35.04
Campbellford R.P.D.—Seymour and Rawdon twps.	Aug., 1924	396.38			679.38
Cobourg R.P.D.—Alnwick and Hamilton twps.	Feb., 1927	809.91			90.60
Colborne R.P.D.—Haldimand twp.	Aug., 1925	1,201.74			535.98
Kingston R.P.D.—Kingston twp.	Jan., 1923	2,549.41			1,367.43
Lakefield R.P.D.—Smith twp.	July, 1928				
Napanee R.P.D.—Richmond twp.	Nov., 1927				
Newcastle R.P.D.—Clarke and Darlington twps.	Sept., 1927		173.81		2.19
Oshawa R.P.D.—East Whitby, Whitby, Pickering and Darlington twps.	April, 1918	12,352.96			3,342.02
Peterborough R.P.D.—Douro, North Monaghon, Otonabee and Smith twps.	Jan., 1927	2,336.14			504.90
Pickering R.P.D.—Pickering and Whitby twps.	Jan., 1926	2,048.87			400.02
Port Hope R.P.D.—Hope twp.	Aug., 1927		70.51		27.09
Trenton R.P.D.—Murray and Sidney twps.	Jan., 1924	145.83			52.98
Wellington R.P.D.—Hallowell twp.	Nov., 1925	49.40			12.63
		30,074.51	5,250.01	5,130.97	14,999.98

NIPISSING

North Bay R.P.D.—West Ferris twp.	June, 1927	554.80			
Total		30,629.31	5,250.01	5,130.97	14,999.98

AND TRENT SYSTEM *CREDIT OR CHARGE*

In respect of power supplied to it to October 31, 1927, the cash receipts and payments amount Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1928

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1928		Accumulated amount standing as a credit or charge on October 31, 1928	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c
2.63	.....	828.71	.....	828.71	.....
23.57	.....	2,788.16	.....	2,788.16	.....
56.77	.....	2,246.77	.....	2,246.77	.....
.....	.....	4,869.65	.....	4,869.65	.....
.....	3.14	.....	403.84	.....	403.84
7.35	.....	978.16	.....	978.16	.....
33.49	.....	21,576.55	.....	21,576.55	.....
.....	15.04	2,496.01	.....	2,496.01	.....
2.09	.....	700.81	.....	700.81	.....
7.31	.....	1,380.48	.....	1,380.48	.....
.....	107.10	205.65	.....	205.65	.....
13.83	.....	4,673.27	.....	4,984.90	.....
2.78	.....	.....	59.99	.....	22.69
15.86	.....	238.72	.....	.....	28.42
32.40	.....	.....	106.08	645.63	.....
48.07	.....	491.03	.....	1,204.86	.....
101.98	.....	.....	647.98	635.98	.....
.....	.....	.....	21.48	.....	21.48
.....	.....	.....	115.99	.....	115.99
.....	6.95	35.89	.....	.....	147.06
492.06	.....	4,526.68	.....	14,029.68	.....
93.45	.....	3,529.23	.....	5,453.92	.....
81.95	.....	1,256.54	.....	2,987.34	.....
.....	2.82	62.91	.....	.....	37.51
5.83	.....	601.26	.....	699.94	.....
1.98	.....	97.99	.....	136.74	.....
1,023.40	135.05	53,584.47	1,355.36	68,849.94	776.99
SYSTEM					
22.19	.....	408.72	.....	985.71	.....
1,045.59	135.05	53,993.19	1,355.36	69,835.65	776.99

CENTRAL ONTARIO AND TRENT SYSTEM

(ALSO NIPISSING SYSTEM)

Reserve for Renewals, October 31, 1928

Total provision for renewals to October 31, 1927		$2,278,319.94
Deduct:		
Expenditures to October 31, 1927		296,754.66
Balance brought forward October 31, 1927		$1,981,565.28
Added during the year ending October 31, 1928:		
By charges against operation	$155,772.10	
Interest at 4% per annum on the monthly balances to the credit of the account	77,958.60	233,730.70
		$2,215,295.98
Deduct:		
Expenditures during the year ending October 31, 1928	$26,209.59	
Reserve for renewals set up in respect of the distribution system sold to the town of Lindsay, employed to repay to the Province of Ontario its investment in such distribution system	42,795.26	69,004.85
Balance carried forward, October 31, 1928		$2,146,291.13

HYDRO-ELECTRIC POWER

In Account with the Provincial Treasurer

CENTRAL ONTARIO

June 1, 1928:	
Cash returned to the Province to cover the difference between the advances by the Province of Ontario to the Commission and the capital expenditures made out of such advances by the Commission in the year ending October 31, 1927	$165,078.55
June 1, 1928:	
Repayment to the Province of its investment in the Lindsay distribution system following the sale on March 1, 1928, of such distribution system to the town of Lindsay	169,366.65
October 31, 1928:	
Balance carried down	15,473,235.21
	$15,807,680.41

CENTRAL ONTARIO AND TRENT SYSTEM

(ALSO NIPISSING SYSTEM)

Reserve for Obsolescence, Contingencies and Amortization, October 31, 1928

Balance brought forward October 31, 1927		$269,408.60
Additional provision for obsolescence, contingencies and amortization in respect of rural power districts to October 31, 1927		7,029.75
		$276,438.35
Added during the year ending October 31, 1928:		
By charges against operation	$355,878.12	
Further provision in the year for obsolescence, contingencies and amortization	135,000.00	
Interest at 4% per annum on the monthly balances to the credit of the account	10,737.06	
		501,615.18
		$778,053.53
Deduct:		
Expenditures during the year ending October 31, 1928	$47,195.03	
Appropriation to reduce the investment in Crow River storage	21,996.77	
Proportionate share of expenditures, with interest thereon, in the years 1909 to 1925, made by the Commission out of advances by the Province for establishment of the power systems, and for the ultimate benefit of the municipalities comprised therein—payment made in October, 1928	133,524.68	
		202,716.48
Balance carried forward October 31, 1928		575,337.05

COMMISSION OF ONTARIO

for the Year Ending October 31, 1928

SYSTEM

October 31, 1927:		
Balance		$14,937,680.41
November 1, 1927, to October 31, 1928	Sundry cash advances	870,000.00
		$15,807,680.41
November 1, 1928:		
Balance		$15,473,235.21

APPROPRIATIONS, ADVANCES AND CAPITAL EXPENDITURES

For the year ended October 31, 1928

Appropriations made by the Legislature for the purposes of the Commission, Cash Advances by the Province to the Commission on account of such appropriations, and the Capital Expenditures made on each Undertaking and System by the Commission out of such Cash Advances in the Year Ended October 31, 1928

NIAGARA SYSTEM

Appropriations by the Legislature:		
For power developments	$285,000.00	
For transmission lines, transformer stations and rural distribution systems	4,510,000.00	
For eastern transmission lines and stations	5,000,000.00	
	$9,795,000.00	
Cash advances to the Commission out of such appropriations	$5,028,741.00	
Unexpended balance as at October 31, 1928, returnable to Province	262,783.37	
		$4,765,957.63
Capital expenditure by the Commission:		
On Ontario Power generating plant	$640.22	
On Toronto Power generating plant	10.48	
On right-of-way	102,515.88	
On steel-tower lines	165,189.60	
On wood-pole lines	18,430.21	
On transformer stations	267,375.00	
On eastern lines and stations	3,749,710.20	
On rural power districts	692,826.74	
	$4,996,698.33	
On Queenston-Chippawa development:		
Receipts in excess of expenditures	230,740.70	
		$4,765,957.63

NOTE:—Plant accounts reduced by—
book value of Chippawa lands sold $45,067.00.

GEORGIAN BAY SYSTEM

Appropriations by Legislature and special warrant	$344,900.00	
Cash advances to the Commission out of such appropriations	$232,091.00	
Unexpended balance as at October 31, 1928, returnable to the Province	1,376.82	
		$230,714.18
Capital expenditure by the Commission:		
On power development	$105,455.99	
On transmission lines	44,745.53	
On transformer stations	13,006.73	
On rural power districts	67,505.93	
		$230,714.18

ST. LAWRENCE AND OTTAWA SYSTEMS AND EASTERN ONTARIO TRANSMISSION LINES

Appropriations by Legislature and special warrant		$2,282,977.00	
Cash advances to the Commission out of such appropriations		$1,507,281.00	
Unexpended balance as at October 31, 1928, returnable to the Province		30,372.20	
			$1,476,908.80
Capital expenditures by the Commission:			
St. Lawrence system:			
On surveys and engineering re power sites on St. Lawrence river	$473,214.40		
On transmission lines	33,361.27		
On transformer stations	9,881.41		
On rural power districts	7,324.60		
		$523,781.68	
Ottawa system:			
On surveys and engineering re power sites on Ottawa and Madawaska rivers	$34,955.91		
On transmission lines	1,414.08		
On transformer stations	598.11		
On rural power districts	20,922.38		
		57,890.48	
Eastern Ontario transmission lines, etc.:			
On power development	$458.91		
On transmission lines	750,365.96		
On transformer stations	144,411.77		
		895,236.64	
			$1,476,908.80

RIDEAU SYSTEM

Appropriations by Legislature and special warrant	$23,201.00	
Cash advances to the Commission out of such appropriations	$15,689.00	
Unexpended balance as at October 31, 1928, returnable to the Province	596.00	
		$15,093.00
Capital expenditure by the Commission:		
On power development	$14,556.91	
On transformer stations	536.09	
		$15,093.00

THUNDER BAY SYSTEM

Appropriations by Legislature	$4,045,000.00	
Cash advances to the Commission out of such appropriations	$192,116.00	
Unexpended balance as at October 31, 1928, returnable to the Province	3,858.45	
		$188,257.55
Capital expenditure by the Commission:		
On power development	$188,831.40	
On transmission lines	3,879.73	
	$192,711.13	
On transformer stations:		
Receipts in excess of expenditures	4,453.58	
		$188,257.55

CENTRAL ONTARIO AND NIPISSING SYSTEMS

Appropriations by Legislature, special warrant and Treasury Board minute:			
Central Ontario system	$1,205,000.00		
Nipissing system	162,000.00		
		$1,367,000.00	
Cash advances to the Commission out of such appropriations, special warrant and Treasury Board minute		$870,000.00	
Cash made available by charging against revenue a portion of the expenditure in Crow River storage		21,996.77	
		$891,996.77	
Unexpended balance as at October 31, 1928, returnable to the Province		216,682.91	
			$675,313.86
Capital expenditure by the Commission:			
On power developments (Central Ontario system)		$16,916.05	
On transmission lines (Central Ontario system)		313,316.82	
On transformer stations (Central Ontario system)		70,713.22	
On local utilities (Central Ontario system)		90,889.57	
On rural power districts (Central Ontario system)		76,663.08	
On service and office buildings (Central Ontario system)		6,813.25	
On power developments (Nipissing system)		40,083.42	
On transmission lines (Nipissing system)		38,418.64	
On transformer stations (Nipissing system)		10,769.30	
On local utilities (Nipissing system)		7,978.47	
On rural power districts (Nipissing system)		2,802.04	
		$675,363.86	
On Bruton limits and the Bancroft mill:			
Receipts in excess of expenditures		50.00	
			$675,313.86

SAULT STE. MARIE DISTRICT

Appropriations by Legislature	$10,000.00	
Cash advances to the Commission out of such appropriations	Nil.	
Capital expenditures by the Commission	Nil.	

MISCELLANEOUS

Appropriations by Legislature	$50,000.00	
Cash advances to the Commission out of such appropriations	$3,000.00	
Unexpended balance as at October 31, 1928, returnable to the Province	128.48	
		$2,871.52
Capital expenditure by the Commission:		
On service buildings		2,871.52

HYDRO-ELECTRIC RAILWAYS

Sandwich, Windsor and Amherstburg Railway

Cash in the hands of the Commission on October 31, 1927, being the unexpended balance of proceeds from sale of $350,000.00 par value of bonds issued for the purposes of the railway	$87,417.15	
Expended out of renewal and other reserve funds belonging to the railway	28,593.69	
		$116,010.84
Capital expenditure by the Commission		116,010.84

Guelph Radial Railway

Receipts in excess of expenditures during the year	$650.00

Port Credit to St. Catharines Radial Railway

Cash in the hands of the Commission on October 31, 1927, being the unexpended balance of borrowings, $500,000.00	$68,998.29	
Less—Cash in the hands of the Commission, belonging to the railway on October 31, 1928	45,796.58	
		$23,201.71
Capital expenditure by the Commission		23,201.71

Toronto to Port Credit Radial Railway

Expended out of the renewal and other reserve funds of the Commission	$49,460.71

RURAL POWER DISTRICTS—SUMMARY

Statement showing the Total Capital Expenditures to October 31, 1928, on the Construction of Primary and Secondary Lines in Rural Power Districts; the Portions thereof in Course of Construction; the Investment in Lines in Operation; the amounts of Grants (Fifty per cent. of both Primary and Secondary Lines) Payable to the Commission by the Province of Ontario; also the Extents to which Grants stand Authorized by Orders-in-Council under the Rural Hydro-Electric Distribution Act, and the Amounts of such Grants Paid over by the Province to the Commission under such Authorizations up to October 31, 1928

System	Total capital expenditure	In course of construction	In operation	Grants (50% of primary and secondary lines) payable by the Province	Extents to which grants stand authorized by orders-in-council	Grants paid by Province to Commission under such authorizations
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	6,256,965.72	118,065.77	6,138,899.95	3,126,976.14	3,890,789.97	3,116,769.96
Georgian Bay system	319,821.13	33,368.18	286,452.95	140,421.20	176,365.70	139,637.36
St. Lawrence system	147,829.53	13,369.20	134,460.33	73,914.76	87,903.22	73,914.76
Ottawa system	151,621.74	23,530.62	128,091.12	75,810.87	85,320.76	75,810.87
	6,876,238.12	188,333.77	6,687,904.35	3,417,122.97	4,240,379.65	3,406,132.95
Central Ontario system	409,711.99	55,295.67	354,416.32	204,856.00	228,332.75	204,812.44
Nipissing system	12,333.41	.....	12,333.41	6,166.71	6,498.50	6,166.71
	7,298,283.52	243,629.44	7,054,654.08	3,628,145.68	4,475,210.90	3,617,112.10

NOTE:—

The Grants payable by the Province—as above set out—in respect of Rural Power Districts as at October 31, 1928, amount in the aggregate to	$3,628,145.68	
The Cash paid over by the Province to the Commission up to October 31, 1928, on account of authorized grants to Rural Power Districts—as above set out—amounts to	3,617,112.10	
A balance of		$11,033.58
which balance represents:		
(a) Grants (or balances thereof) payable by the Province to the Commission in respect of certain Rural Power Districts completed or under construction	$15,171.08	
Less:		
(b) Grant funds in the hands of the Commission at October 31, 1928, to apply against the construction of certain other authorized Rural Power Districts and extension to existing districts	4,137.50	
		$11,033.58

SECTION X

MUNICIPAL ACCOUNTS

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing system and operating with energy supplied by or through the Hydro-Electric Power Commission.

Financial statements prepared from the books of all "Hydro" utilities are submitted herein to show how each has operated during the past year, and the financial status at the present time. Other tables give much useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the local electrical utilities in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with a uniform accounting system designed by the Commission. During the year 1928, the uniform accounting system was installed in the following municipalities as each became ready for the service: Bridgeport, Finch, Lindsay and Richmond.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities, much of the bookkeeping for the electrical utilities is performed by representatives of the Municipal Audit department of the Commission, in order to insure the employment of proper classifications of revenue and expenditures, to save time in preparation of reports, to insure compliance with all the requirements of the standard accounting system, and to make certain that the accounts represent as truly as possible the actual operating results for the year.

The first financial statement in this section presents consolidated balance sheets for each year since 1912, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $70,264,599.35 in 1928, and the total assets from $11,907,826.86 to $98,312,385.45. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to $47,183,564.07. The reason for this is that much of the cost of the increasing plant value has been financed out of

surplus and reserve accounts without increasing the liabilities of the various systems. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 50.8 per cent in 1928. The equity in the Hydro-Electric Power Commission system automatically acquired through the inclusion of sinking fund as part of the cost of power is not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. Study of this statement will show that the revenue has been increasing satisfactorily. The combined annual surplus, after providing for every cost of operation and fixed charges, including an adequate depreciation charge, amounted in 1928 to $2,016,451.58.

The five statements, "A" to "E," following the two consolidated reports show the financial status of each municipal system and the results of operations, and also give information respecting revenue, number of consumers and consumption; cost of power to municipalities; power and lighting rates charged to consumers, etc. In the statements "A" and "B," the municipalities are arranged in groups under each system and alphabetically for the municipalities in each system; in statement "D," the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" shows balance sheets for each municipality with the plant value subdivided into the general natural subdivisions specified in the standard accounting system, and there are also shown the other items which make up the total assets. It is to be noted that among the assets there are items entitled "equity in Hydro system." These items represent the amount of accumulated sinking fund paid by the various municipalities through the medium of "power cost" toward the ultimate retirement of the capital invested by the Hydro-Electric Power Commission on behalf of the partner municipalities. The total accumulation to the end of 1928 is shown on the consolidated balance sheet to be $12,326,097.56.

During the year rebates were made in many municipalities in respect to surpluses standing to the credit of municipal street light and waterworks services, and to individual consumers, of amounts varying from one-sixth to one-fourth of the previous year's revenue. These rebates amounted in round figures to approximately $235,000 and affected the cash balance and surplus in the current balance sheet accordingly, notwithstanding which material increases will be noted in both accounts when compared with the 1927 figures.

In each case the balance sheet is complete and final, including either in "accounts receivable," or "accounts payable," the adjustments with the Hydro-Electric Power Commission of the differences between the estimated and the actual costs of power to the municipality.

The liabilities of each local system are set out under their general subdivisions,—debenture balance, accounts payable, bank overdraft, and other liabilities; this last account including local debentures issued by municipalities to finance ornamental street-lighting systems as local improvements.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission system, are also listed separately and totalled; and under the heading "surplus" are included not only the free operating profit but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The "depreciation reserve" now amounts to 18.56 per cent. of the total depreciable plant, while the "depreciation reserve" and "surplus" combined have already reached the sum of $37,685,466.19, approximating 53.6 per cent. of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure; the amount of the annual surpluses and the sums set aside for deprecation. The population served by each local utility, and the number of consumers of each class, are also shown.

The item "power purchased" includes the annual adjustment made by the Commission, and hence shows for the calendar year the actual cost to the municipal electrical utility and not the cost at the interim billed rates.

Of the 255 municipal electrical utilities included in this statement, 230 had revenue from consumers sufficient to meet all operating expenses and fixed charges and to yield an aggregate operating surplus of $2,031,029.96, for the year; 11 were able to defray all operating and fixed charges except depreciation, but failed to set aside the full theoretical amounts for that reserve by $4,340.52, only 14 had gross deficits in respect of operating expenses and fixed charges other than depreciation, aggregating $4,735.86. The net surplus for all "Hydro" utilities was $2,016,451.58 for the year.

Statement "C" shows the installation of street lights in each municipality together with the rates set by this Commission, the revenue for 1928, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers, the average horsepower supplied by the municipal utility* and the average cost per horsepower per year. For further reference to this informative statement, consult the special introduction to it on page 354.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1928, for domestic service, for commercial light service and for power service.

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*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

Year	1913	1914	1915
Number of municipalities included	45	69	99
Assets	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	.....	.....	.....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in Hydro systems	.....	.....	.....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
Liabilities			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
Reserves			
For equity in H.E.P.C. system	.....	.....	.....
For depreciation	478,145.88	850,618.07	1,337,739.73
Other reserves	.....	.....	.....
Total reserves	478,145.88	850,618.07	1,337,739.73
Surplus			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Additional operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88	88.3	80.3

Note.—In computing the percentage of net debt to total assets the sinking fund on loca debentures and equity in "Hydro" systems are excluded from assets, and total liabilities are reduced by amount of local sinking fund.

BALANCE SHEET

1916	1917	1918	1919	1920
128	143	166	191	195
$ c.	$ c.	$ c.	$ c.	$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24
1,934,626.12	2,471,293.82	2,820,448.70	2,915,125.56	3,231,050.80
4,832,353.27	6,080,073.42	6,627,237.39	7,445,820.31	8,579,881.49
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29
1,179,132.07	1,483,839.44	1,772,691.35	2,073,114.45	2,560,581.59
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13
2,059,263.42	2,184,015.84	2,395,096.50	2,430,101.08	2,697,636.12
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12
.....	.....	.....	627,076.53	341,855.88
695,152.23	1,285,097.33	1,124,018.44	1,921,166.69	2,022,538.88
764,504.59	1,261,398.36	972,996.96	1,032,569.75	1,400,671.89
1,166,017.73	1,337,578.96	1,663,298.05	1,925,455.77	2,244,004.34
.....	.....	.....	369,071.89	577,584.06
342,215.87	125,240.05	444,787.63	86,216.05	25,447.07
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22
.....	.....	.....	373,871.89	577,584.06
1,843,804.68	2,463,723.83	3,133,550.17	3,750,162.28	4,788,645.03
.....	.....	.....	.....	.....
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,299.09
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,157.52
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
78.4	75.5	71.0	67.9	65.4

CONSOLIDATED

Year	1921	1922	1923
Number of municipalities included	215	226	235
Assets	$ c.	$ c.	$ c.
Lands and buildings	3,230,985.63	3,334,552.68	4,488,054.93
Substation equipment	5,403,689.90	5,046,857.98	6,015,919.75
Distribution system—overhead	8,397,361.48	11,165,330.24	13,135,581.76
Distribution system—underground	1,401,135.97	1,598,053.02	1,959,120.41
Line transformers	3,077,649.83	3,618,684.73	4,211,655.89
Meters	3,552,076.79	4,033,689.52	4,548,933.73
Street lighting equipment—regular	1,335,997.13	1,419,016.05	1,061,473.85
Street lighting equipment—ornamental	610,586.70	666,084.50	708,431.22
Miscellaneous construction expenses	3,030,134.16	3,261,495.74	3,681,274.88
Steam or hydraulic plant	704,848.46	565,158.54	566,619.86
Old plant	912,388.55	7,997,947.87	8,051,496.28
Total plant	31,565,854.60	42,706,840.87	48,428,562.56
Bank and cash balance	900,842.34	1,164,336.24	1,276,140.06
Securities and investments	556,608.53	443,938.18	1,153,424.47
Accounts receivable	2,148,287.05	3,874,317.14	3,198,769.34
Inventories	1,504,596.28	1,738,795.96	1,819,711.62
Sinking fund on local debentures	2,541,618.35	3,416,231.45	3,896,261.28
Equity in Hydro systems	795,570.51	1,543,434.12	2,929,603.94
Other assets	78,929.84	238,940.13	190,071.63
Total assets	40,111,979.23	55,126,834 09	62,892,544.90
Liabilities			
Debenture balance	21,619,220.99	30,454,186.12	33,056,501.29
Accounts payable	1,887,567.93	3,669,292.52	3,708,781.76
Bank overdraft	989,099.98	456,706.69	680,814.59
Other liabilities	938,368.84	586,203.02	1,517,828.47
Total liabilities	25,434,257.74	35,196,388.35	38,963,826.11
Reserves			
For equity in H.E.P.C. system	800,249.05	1,543,434.12	2,929,603.94
For depreciation	5,491,858.93	6,512,813.92	7,328,858.69
Other reserves	.....	.....	.....
Total reserves	6,292,107.98	8,056,248.04	10,258,462.63
Surplus			
Debentures paid	1,860,079.53	3,104,591.15	2,852,038.38
Local sinking fund	2,541,618.35	3,416,231.45	3,896,261.28
Additional operating surplus	3,983,815.63	5,353,375.10	6,921,956.50
Total surplus	8,385,613.51	11,874,197.70	13,670,256.16
Total liabilities, reserves and surplus	40,111,979.23	55,126,834.09	62,892,544.90
Percentage of net debt to total assets	64.7	63.3	62.6

BALANCE SHEET—Concluded

1924	1925	1926	1927	1928
248	247	251	252	256
$ c.	$ c.	$ c.	$ c.	$ c.
4,561,648.92	5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76
6,800,238.00	8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21
14,182,190.33	16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68
2,873,446.13	3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16
4,456,669.02	5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64
5,149,629.71	5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90
1,134,491.77	1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24
728,298.08	893,186.48	1,103,660.23	1,184,035.82	1,203,706.65
4,168,262.21	4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92
4,196,803.45	568,912.49	628,909.57	607,320.00	619,880.93
5,587,420.31	4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26
53,839,097.93	56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35
1,748,912.34	1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07
1,329,622.58	1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51
3,898,751.89	3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13
1,745,628.16	1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
250,292.77	137,280.05	33,151.81	31,942.45	153,275.04
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
38,005,162.50	37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78
3,117,224.08	3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25
162,100.71	226,147.82	163,725.53	252,362.52	253,143.81
1,780,564.27	1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23
43,065,051.56	42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
8,097,834.68	8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68
.....	1,157,147.20	947,970.23	1,002,916.69	1,117,257.63
13,518,402.26	17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87
3,530,610.35	4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
8,118,809.08	8,309,074.73	9,317,954.48	10,135,039.22	11,544,489.21
16,170,142.49	17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
61.4	57.2	55.5	54.2	50.8

CONSOLIDATED

Year	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
Earnings	$ c.	$ c.	$ c.	$ c.
Domestic service		572,154.38	789,130.81	944,271.08
Commercial light		525,438.16	673,803.92	720,209.26
Commercial power		905,378.17	1,214,829.31	1,501,797.78
Municipal power				
Street lighting		560,925.56	698,409.71	835,970.87
Rural service				
Miscellaneous		53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
Expenses				
Power purchased		789,632.87	1,045,752.65	1,485,614.72
Substation operation		78,394.81	97,658.90	107,607.31
Substation maintenance		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance		104,114.51	130,998.65	154,409.71
Line transformer maintenance		8,547.61	11,764.32	11,508.92
Meter maintenance		5,222.19	9,536.07	12,899.14
Consumers' premises expenses		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance		84,903.76	113,047.80	136,983.38
Promotion of business		72,303.51	86,683.02	74,402.55
Billing and collecting		77,351.76	103,560.71	131,541.27
General office, salaries and expenses		154,932.69	230,899.75	236,777.86
Undistributed expense		65,423.64	89,350.91	129,209.15
Interest		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures		*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation charge	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

OPERATING REPORT

1916	1917	1918	1919	1920
128	143	166	181	186
$ c.	$ c.	$ c.	$ c.	$ c.
1,172,878.96	1,417,460.31	1,632,272.12	1,991,632.31	2,546,345.30
812,130.78	899,023.72	968,399.42	1,175,143.56	1,512,854.63
1,921,152.31	2,665,280.65	3,417,248.37	3,443,107.13	3,752,188.22
.....	.....	.....	.....	532,279.09
930,057.48	967,495.10	902,875.55	988,900.95	1,005,535.11
.....	.....	.....	.....	168,919.95
147,381.50	120,805.39	161,243.70	228,270.65	189,778.63
4,983,601.03	6,070,065.17	7,082,039.16	7,827,054.60	9,707,900.93
1,959,446.83	2,563,880.17	2,807,769.33	3,284,490.68	4,216,667.87
153,761.08	203,091.20	238,257.34	217,638.89	285,407.35
46,131.53	42,129.04	60,805.92	81,853.63	102,050.81
154,247.17	169,326.24	223,347.81	286,310.76	344,551.57
14,528.17	25,328.95	30,488.83	42,509.12	46,323.09
24,218.48	44,461.55	63,155.56	78,726.64	123,701.18
52,602.01	61,765.14	65,149.59	84,301.24	116,283.52
145,471.50	157,857.73	196,157.18	215,963.86	236,930.79
79,324.85	73,516.37	64,962.78	77,789.22	78,294.85
154,508.58	188,083.84	208,660.76	236,504.75	295,942.88
306,709.35	349,932.05	421,680.15	452,131.22	559,695.29
97,333.97	102,938.80	117,474.07	190,690.09	256,400.33
951,781.99	1,085,180.80	1,238,425.53	1,285,571.51	1,431,807.16
*	*	*	*	*
4,140,065.51	5,077,491.08	5,736,334.85	6,531,481.61	8,094,056.69
843,535.52	992,574.09	1,345,704.31	1,295,572.99	1,613,844.24
486,141.80	607,296.29	718,162.30	814,219.37	902,028.75
357,393.72	385,367.80	627,542.01	481,353.62	711,815.49

*Debenture payments included in "Interest."

CONSOLIDATED OPERATING

Year	1921	1922	1923
Number of municipalities included	205	214	224
Earnings	$ c.	$ c.	$ c.
Domestic service	3,149,080.03	3,786,608.23	5,166,452.24
Commercial light	1,851,501.76	2,158,306.34	3,260,772.50
Commercial power	3,895,437.46	4,383,912.97	5,927,666.37
Municipal power	654,531.01	973,263.38	1,161,598.60
Street lighting	1,060,357.77	1,160,446.81	1,269,604.48
Rural service	145,566.57	105,877.09	116,639.06
Miscellaneous	225,467.70	187,689.39	316,311.21
Total earnings	10,981,942.30	12,756,104.21	17,219,044.46
Expenses			
Power purchased	4,876,650.31	6,636,853.37	8,699,026.67
Substation operation	314,838.35	315,443.70	474,442.13
Substation maintenance	104,798.01	100,763.67	133,815.53
Distribution system, operation and maintenance	487,918.33	519,252.16	636,477.41
Line transformer maintenance	65,088.46	52,932.26	75,920.10
Meter maintenance	116,722.97	107,806.88	139,104.81
Consumers' premises expenses	134,854.92	143,388.88	218,682.02
Street lighting, operation and maintenance	297,481.52	297,363.86	299,579.08
Promotion of business	101,804.46	129,932.63	184,371.00
Billing and collecting	321,685.71	338,153.50	444,306.92
General office, salaries and expenses	656,268.11	605,852.50	937,463.47
Undistributed expense	308,874.42	385,895.03	359,206.91
Interest	998,611.47	1,074,657.44	1,615,205.16
Sinking fund and principal payments on debentures	532,183.96	635,469.90	990,907.14
Total expenses	9,317,781.00	11,343,765.78	15,208,508.35
Surplus	1,664,161.30	1,412,338.43	2,010,536.11
Depreciation charge	1,044,434.85	715,814.24	916,782.75
Surplus less depreciation	619,726.45	696,524.19	1,093,753.36

REPORT—Concluded

1924	1925	1926	1927	1928
241	242	248	251	255
$ c.	$ c.	$ c.	$ c.	$ c.
5,993,231.07	6,439,159.86	7,372,602.62	8,189,866.89	8,925,050.56
3,566,227.22	3,866,292.79	4,187,899.19	4,626,815.51	5,182,723.32
6,222,865.88	6,568,854.77	6,789,217.54	7,342,173.20	8,298,669.44
1,352,966.47	1,923,093.09	1,922,512.34	1,913,502.88	1,921,300.97
1,356,668.97	1,415,382.22	1,457,686.21	1,489,242.37	1,534,476.98
75,100.24	37,975.18	37,810.73	13,765.72	48,451.90*
231,663.58	286,451.08	471,134.15	581,913.04	465,791.92
18,798,723.43	20,537,208.99	22,238,862.78	24,157,279.61	26,376,465.09
9,669,789.40	11,063,123.34	12,185,669.10	13,505,583.77	14,688,570.08
430,056.09	417,921.71	450,416.84	430,211.76	420,512.48
202,050.04	207,497.63	286,520.37	275,148.86	247,647.88
648,700.62	686,344.54	795,514.70	758,747.10	736,159.85
82,936.50	75,473.28	74,876.11	94,706.38	88,676.18
141,231.23	156,909.55	189,603.70	214,813.87	218,530.96
237,316.20	252,808.47	275,020.62	285,352.68	291,333.03
269,973.30	275,316.60	295,869.37	318,395.79	329,597.16
202,060.74	217,102.24	234,696.74	220,687.60	249,842.01
490,273.30	521,134.01	557,271.54	605,627.58	638,797.02
889,907.66	891,640.29	786,742.60	824,868.90	844,578.55
494,078.50	520,584.58	460,288.30	531,003.80	542,755.34
1,779,991.26	1,889,810.95	1,985,233.73	2,063,698.00	2,111,049.49
1,122,798.87	1,294,027.29	1,347,511.92	1,505,626.31	1,601,711.32
16,661,163.71	18,469,694.48	19,925,235.64	21,634,472.40	23,009,761.35
2,137,559.72	2,067,514.51	2,313,627.14	2,522,807.21	3,366,703.74
973,649.62	1,068,880.42	1,146,273.05	1,249,711.65	1,350,252.16
1,163,910.10	998,634.09	1,167,354.09	1,273,095.56	2,016,451.58

*Profits from the sale of merchandise. There is no rural revenue now.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt P.V.	Ailsa Craig	Alvinston	Amherstburg
Population	1,870		509	626	3,000
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	.....	.....	133.56	1,488.32
Substation equipment	1,847.39	.....	.....	.....	932.00
Distribution system—overhead	17,182.56	8,032.11	8,012.55	14,074.12	25,276.90
Distribution system—underground	.....	.....	.....	.....	.....
Line transformers	10,503.48	2,646.25	3,035.95	3,042.21	11,943.82
Meters	8,351.38	1,983.84	2,241.48	3,067.38	14,004.70
Street light equipment, regular	1,288.18	705.99	404.09	1,090.62	812.44
Street light equipment, ornamental	.....	.....	.....	.....	.....
Miscellaneous construction expense	2,210.34	.....	503.36	758.68	855.29
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,481.50	.....	.....	773.85	.....
Total plant	46,410.28	13,368.19	14,197.43	22,940.42	55,313.47
Bank and cash balance	5,421.44	841.38	2,441.54	72.90	11,407.61
Securities and investments	1,500 00	1,000 00	3,000.00	2,000.00	.....
Accounts receivable	1,934.15	103.84	964.20	80.91	2,459.64
Inventories	1,737.69	.....	.....	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	17,120.40	1,800.74	5,604.13	4,741.41	12,644.62
Other assets	.....	.....	.....	.....	.....
Total assets	74,123.96	17,114.15	26,207.30	29,835.64	81,825.34
Deficit	.....	.....	.....	1,385.49	.....
Total	74,123.96	17,114.15	26,207.30	31,221.13	81,825.34
LIABILITIES					
Debenture balance	2,932.03	5,940.69	2,730.83	17,173.43	31,055.13
Accounts payable	.....	407.74	700.00	260.57	1,817.60
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	269.29	.....	.....	.....	1,534.04
Total liabilities	3,201.32	6,348.43	3,430.83	17,434.00	34,406.77
RESERVES					
For equity in H.E.P.C. systems	17,120.40	1,800.74	5,604.13	4,741.41	12,644.62
For depreciation	9,059.49	954.55	4,135.86	2,689.91	10,056.84
Other reserves	.....	.....	.....	.....	.....
Total reserves	26,179.89	2,755.29	9,739.99	7,431.32	22,701.46
SURPLUS					
Debentures paid	11,567.97	2,131.96	1,504.14	6,355.81	998.47
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	33,174.78	5,878.47	11,532.34	.....	23,718.64
Total surplus	44,742.75	8,010.43	13,036.48	6,355.81	24,717.11
Total liabilities, reserves and surplus	74,123.96	17,114.15	26,207.30	31,221.13	81,825.34
Percentage of net debt to total assets	5.6	41.4	16.6	69.4	49.7

"A"

Hydro Municipalities as at December 31, 1928

Ancaster Twp. 4,213	Arkona 386	Aylmer 2,168	Ayr 796	Baden P.V.	Barton Twp. 7,782	Beachville P.V.	Belle River 774
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	9,019.23	125.00	660.64	.....	176.13	.....
.....	.....	.....	.....	.....	.....	.....	.....
21,406.82	8,685.79	20,113.78	11,403.73	6,549.50	33,795.54	12,663.90	14,292.52
.....	.....	.....	.....	.....	.....	.....	.....
8,161.05	1,282.42	8,274.60	3,726.67	3,383.39	6,921.71	2,133.94	2,720.80
8,046.96	1,525.09	8,469.81	3,279.35	2,528.91	6,966.80	2,773.20	2,968.34
1,064.51	671.60	1,417.71	575.65	447.45	409.75	410.35	924.29
.....	.....	.....	.....	.....	.....	.....	.....
1,511.21	208.57	1,194.54	904.79	.....	1,492.88	652.04	962.78
.....	.....	.....	.....	.....	.....	.....	.....
.....	1,529.65	6,719.17	4,002.53	.....	.....	.....	.....
40,190.55	13,903.12	55,208.84	24,017.72	13,569.89	49,586.68	18,809.56	21,868.73
5,775.03	.....	1,946.17	.....	2,792.00	21,176.15	3,382.99	3,575.54
.....	.....	12,000.00	.....	.....	.....	7,000.00	.....
2,537.18	549.38	2,786.81	381.06	1,121.06	47,545.51	381.31	1,463.66
.....	.....	27.84	.....	.....	25.00	.....	.....
.....	.....	.....	.....	.....	5,621.30	.....	.....
5,522.31	751.50	11,300.89	4,115.05	11,569.83	9,626.32	14,434.87	2,194.10
2,371.41	.....	.....	660.91	.....	.....	.....	.....
56,396.48	15,204.00	83,270.55	29,174.74	29,052.78	133,580.96	44,008.73	29,102.03
.....	854.98	.....	.....	.....	.....	.....	.....
56,396.48	16,058.98	83,270.55	29,174.74	29,052.78	133,580.96	44,008.73	29,102.03
14,528.98	12,273.44	25,976.97	3,395.25	3,055.32	84,690.91	3,301.53	7,197.46
382.64	1,854.64	.....	4,000.00	960.62	5,279.86	.....	100.00
.....	95.01	.....	670.67	.....	.....	.....	.....
.....	.....	35.00	.....	.....	2,234.60	.....	.....
14,911.62	14,223.09	26,011.97	8,065.92	4,015.94	92,205.37	3,301.53	7,297.46
5,522.31	751.50	11,300.89	4,115.05	11,569.83	9,626.32	14,434.87	2,194.10
6,977.35	245.00	6,167.11	2,088.96	1,031.19	6,195.44	3,539.39	1,875.93
2,371.41	.....	.....	.....	.....	.....	.....	5,000.00
14,871.07	996.50	17,468.00	6,204.01	12,601.02	15,821.76	17,974.26	9,070.03
2,471.02	839.39	12,724.95	9,108.13	1,944.68	18,731.75	2,051.47	1,302.54
.....	.....	.....	.....	.....	5,621.30	.....	.....
24,142.77	.....	27,065.63	5,796.68	10,491.14	1,200.78	20,681.47	11,432.00
26,613.79	839.39	39,790.58	14,904.81	12,435.82	25,553.83	22,732.94	12,734.54
56,396.48	16,058.98	83,270.55	29,174.74	29,052.78	133,580.96	44,008.73	29,102.03
29.3	98.4	36.1	32.1	22.9	*	11.1	27.1

*In process of annexation.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Blenheim	Blyth	Bolton	Bothwell	Brampton
Population	1,547	624	600	630	4,897
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	.....	.....	5,077.02
Substation equipment	909.64	.....	.....	.....	24,701.45
Distribution system, overhead	20,282.52	10,283.67	8,842.84	5,887.97	45,337.34
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	7,928.90	2,206.35	3,407.44	2,229.63	21,205.03
Meters	8,738.14	1,427.33	2,577.30	2,752.27	22,566.81
Street light equipment, regular	1,785.57	1,284.19	567.79	459.44	2,474.47
Street light equipment, ornamental	1,482.97	.....	.....	4,431.19	.....
Misc. construction expense	1,406.99	254.58	1,043.38	528.56	17,769.41
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	2,332.68	1,554.60	.....	.....
Total plant	42,534.73	17,788.80	17,993.35	16,289.06	139,131.53
Bank and cash balance	1,236.12	766.48	1,422.77	7,465.04	368.67
Securities and investments	.....	.....	2,000.00	5,000.00	18,171.77
Accounts receivable	313.15	1,350.44	855.15	376.31	2,831.48
Inventories	.....	.....	.....	.....	247.19
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	11,432.63	1,995.64	6,566.72	7,290.66	49,408.83
Other assets	.....	.....	.....	.....	.....
Total assets	55,516.63	21,901.36	28,837.99	36,421.07	210,159.47
Deficit	.....	.....	.....	.....	.....
Total	55,516.63	21,901.36	28,837.99	36,421.07	210,159.47
LIABILITIES					
Debenture balance	10,656.31	13,459.82	8,443.11	3,805.80	33,186.65
Accounts payable	1,035.11	.....	156.88	775.41	9,667.48
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,482.97	.....	.....	1,131.22	.....
Total liabilities	13,174.39	13,459.82	8,599.99	5,712.43	42,854.13
RESERVES					
For equity in H.E.P.C. systems	11,432.63	1,995.64	6,566.72	7,290.66	49,408.83
For depreciation	6,339.72	1,094.66	5,958.92	3,681.12	37,337.72
Other reserves	.....	.....	.....	.....	.....
Total reserves	17,772.35	3,090.30	12,525.64	10,971.78	86,746.55
SURPLUS					
Debentures paid	3,343.69	2,809.21	4,056.89	1,728.39	35,863.99
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	21,226.20	2,542.03	3,655.47	18,008.47	44,694.80
Total surplus	24,569.89	5,351.24	7,712.36	19,736.86	80,558.79
Total liabilities, reserves and surplus	55,516.63	21,901.36	28,837.99	36,421.07	210,159.47
Percentage of net debt to total assets	29.8	67.6	38.6	19.6	26.6

"A"—Continued

Hydro Municipalities as at December 31, 1928

Brantford 27,739	Brantford Twp. 7,163	Bridgeport P.V.	Brigden P.V.	Brussels 771	Burford P.V.	Burgessville, P.V.	Caledonia 1,460
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
71,283.10	.....	.....	101.03	.....	202.00	.....	.....
123,596.34	1,192.71	.....	.....	.....	.....	.....	.....
213,920.53	44,493.62	8,120.67	6,618.40	13,325.18	7,749.36	2,969.35	12,847.03
6,000.00	.....	.....	.....	.....	.....	.....	.....
106,761.14	13,614.89	3,332.50	1,907.10	2,395.35	1,967.06	1,099.80	4,146.96
104,073.97	9,870.53	1,915.10	2,144.05	3,155.38	2,990.91	784.14	4,656.93
22,862.36	3,331.24	1,312.83	249.45	1,568.00	425.14	188.39	1,362.79
38,797.27	.....	.....	.....	.....	.....	.....	.....
28,699.44	4,019.56	563.56	858.11	1,537.56	644.50	457.22	587.31
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,381.00	2,827.50	.....	.....	.....
715,994.15	76,522.55	15,244.66	13,259.14	24,808.97	13,978.97	5,498.90	23,601.02
1,704.88	3,859.94	1,555.13	598.39	926.66	1,240.16	1,728.95	1,040.43
.....	2,394.65	.....	.....	.....	1,000.00	.....	.....
22,429.77	1,030.69	614.69	575.98	776.73	1,536.03	575.72	198.42
1,036.08	.....	.....	.....	.....	.....	.....	.....
137,095.24	1,884.89	.....	.....	.....	.....	.....	.....
249,124.27	5,701.36	324.44	3,691.87	3,000.58	4,060.00	1,605.81	6,135.21
.....	.....	.....	.....	.....	.....	.....	.....
1,127,384.39	91,394.08	17,738.92	18,125.38	29,512.94	21,815.16	9,409.38	30,975.08
.....	.....	.....	.....	.....	.....	.....	.....
1,127,384.39	91,394.08	17,738.92	18,125.38	29,512.94	21,815.16	9,409.38	30,975.08
404,250.00	37,937.12	11,914.39	2,120.12	17,638.67	2,321.57	1,702.37	2,854.13
23,504.03	.....	1,091.26	189.30	24.00	.....	305.15	129.83
1,826.50	.....	.....	.....	.....	.....	.....	.....
44,610.07	1,315.09	.....	.....	.....	.....	.....	.....
474,190.60	39,252.21	13,005.65	2,309.42	17,662.67	2,321.57	2,007.52	2,983.96
249,124.27	5,701.36	324.44	3,691.87	3,000.58	4,060.00	1,605.81	6,135.21
142,034.47	14,097.00	2,812.68	1,938.89	1,665.68	3,073.11	1,338.83	2,590.11
1,000.00	.....	.....	.....	.....	.....	.....	.....
392,158.74	19,798.36	3,137.12	5,630.76	4,666.26	7,133.11	2,944.64	8,725.32
75,750.00	19,188.54	453.64	5,879.88	3,361.33	6,678.43	1,797.63	1,769.87
137,095.24	1,884.89	.....	.....	.....	.....	.....	.....
48,189.81	11,270.08	1,142.51	4,305.32	3,822.68	5,682.05	2,659.59	17,495.93
261,035.05	32,343.51	1,596.15	10,185.20	7,184.01	12,360.48	4,457.22	19,265.80
1,127,384.39	91,394.08	17,738.92	18,125.38	29,512.94	21,815.16	9,409.38	30,975.08
45.4	45.8	74.6	16.0	66.6	13.0	25.7	12.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Campbellville, P.V.	Cayuga	Chatham	Chippawa	Clifford
Population		698	14,727	1,129	536
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	43.44	40,596.86	.....	.....
Substation equipment	.....	.....	73,054.70	.....	.....
Distribution system, overhead	2,690.44	14,453.18	145,426.35	15,960.73	5,760.05
Distribution system, underground	.....	.....	9,907.28	.....	.....
Line transformers	408.11	2,809.06	68,252.48	4,362.31	787.64
Meters	430.14	1,963.47	64,061.10	3,757.39	1,653.72
Street light equipment, regular	258.56	942.83	9,059.69	1,344.15	596.64
Streetlight equipment, ornamental	.....	.....	26,907.19	.....	.....
Misc. construction expense	6.82	353.31	27,731.38	935.32	37.44
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	43,001.95	.....	.....
Total plant	3,794.07	20,565.29	507,998.98	26,359.90	8,835.49
Bank and cash balance	248.59	246.39	.....	2,841.96	2,640.92
Securities and investments	1,500.00	.....	40,000.00	.....	.....
Accounts receivable	257.28	168.13	38,267.68	235.37	259.57
Inventories	.....	225.66	6,236.99	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	288.60	1,968.78	121,413.54	5,225.68	1,360.21
Other assets	.....	50.00	.....	.....	.....
Total assets	6,088.54	23,224.25	713,917.19	34,662.91	13,096.19
Deficit	.....	828.59	.....	.....	.....
Total	6,088.54	24,052.84	713,917.19	34,662.91	13,096.19
LIABILITIES					
Debenture balance	4,741.85	17,509.34	204,207.78	9,730.37	7,510.42
Accounts payable	.....	374.06	16,478.01	48.61	.....
Bank overdraft	.....	.....	11,720.42	.....	.....
Other liabilities	.....	.....	28,651.31	.....	.....
Total liabilities	4,741.85	17,883.40	261,057.52	9,778.98	7,510.42
RESERVES					
For equity in H.E.P.C. systems	288.60	1,968.78	121,413.54	5,225.68	1,360.21
For depreciation	315.00	1,710.00	77,225.16	4,077.36	654.73
Other reserves	.....	.....	488.40	.....	.....
Total reserves	603.60	3,678.78	199,127.10	9,303.04	2,014.94
SURPLUS					
Debentures paid	705.92	2,490.66	65,792.22	3,619.63	489.58
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	37.17	.....	187,940.35	11,961.26	3,081.25
Total surplus	743.09	2,490.66	253,732.57	15,580.89	3,570.83
Total liabilities, reserves and surplus	6,088.54	24,052.84	713,917.19	34,662.91	13,096.19
Percentage of net debt to total assets	81.7	84.1	44.0	33.2	64.0

"A"—Continued

Hydro Municipalities as at December 31, 1928

Clinton 1,981	Comber P.V.	Cottam P.V.	Courtright 396	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 593
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,632.83	.....	.....	.....	.....	.....	.....	.....
7,544.43	.....	.....	.....	.....	.....	.....	.....
21,114.27	6,035.52	8,564.31	5,261.08	2,279.72	3,000.17	5,559.93	8,696.11
.....	.....	.....	.....	.....	.....	.....	.....
6,862.68	2,892.71	1,538.31	663.40	1,363.58	732.83	2,845.91	2,397.33
7,874.91	2,019.86	1,393.43	830.07	1,245.85	793.99	2,235.27	2,871.79
1,195.54	262.58	359.43	425.08	342.52	112.53	432.21	572.93
.....	.....	.....	.....	.....	.....	.....	.....
3,696.77	957.54	206.27	558.67	291.87	203.81	328.41	388.37
.....	.....	.....	.....	.....	.....	.....	.....
10,658.09	.....	.....	.....	.....	.....	.....	.....
65,579.52	12,168.21	12,061.75	7,738.30	5,523.54	4,843.33	11,401.73	14,926.53
1,968.90	3,008.14	221.58	1,467.39	949.45	2,803.69	3,065.88	55.62
.....	.....	.....	.....	.....	.....	2,000.00	8,000.00
1,950.84	.....	370.71	255.66	803.54	521.27	1,323.73	13.63
2,601.49	.....	.....	.....	.....	.....	.....	.....
16,122.55	.....	.....	.....	.....	.....	.....	.....
14,304.22	6,613.84	434.81	1,349.24	2,685.10	792.45	2,076.23	3,350.59
.....	.....	.....	.....	.....	.....	.....	.....
102,527.52	21,790.19	13,088.85	10,810.59	9,961.63	8,960.74	19,867.57	26,346.37
.....	.....	.....	.....	.....	.....	.....	.....
102,527.52	21,790.19	13,088.85	10,810.59	9,961.63	8,960.74	19,867.57	26,346.37
44,500.00	3,769.79	8,469.78	6,158.24	2,631.08	2,819.87	3,153.76	7,702.42
1,342.12	762.28	10.01	.....	.....	203.75	.....	333.68
.....	.....	.....	.....	.....	.....	.....	.....
197.50	.....	70.00	.....	.....	.....	100.00	.....
46,039.62	4,532.07	8,549.79	6,158.24	2,631.08	3,023.62	3,253.76	8,036.10
14,304.22	6,613.84	434.81	1,349.24	2,685.10	792.45	2,076.23	3,350.59
15,317.16	3,275.11	923.55	674.74	1,225.08	1,045.32	3,040.60	3,379.10
.....	.....	.....	.....	.....	.....	.....	.....
29,621.38	9,888.95	1,358.36	2,023.98	3,910.18	1,837.77	5,116.83	6,729.69
.....	3,930.21	530.44	1,980.11	768.92	1,180.13	1,146.24	1,797.58
16,122.55	.....	.....	.....	.....	.....	.....	.....
10,743.97	3,438.96	2,650.26	648.26	2,651.45	2,919.22	10,350.74	9,783.00
26,866.52	7,369.17	3,180.70	2,628.37	3,420.37	4,099.35	11,496.98	11,580.58
102,527.52	21,790.19	13,088.85	10,810.59	9,961.63	8,960.74	19,867.57	26,346.37
41.4	29.8	67.5	65.1	36.2	37.0	18.3	34.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Dresden	Drumbo P.V.	Dublin P.V.	Dundas	Dunnville
Population	1,396			5,005	3,387
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	.....	9,235.96	3,339.68
Substation equipment	523.00	.....	.....	13,396.22	17,042.26
Distribution system, overhead	13,809.74	3,835.88	4,705.14	43,509.08	30,465.67
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	5,876.66	1,417.47	688.05	14,113.17	13,084.58
Meters	5,596.04	1,581.69	744.31	17,586.60	11,969.62
Street light equipment, regular	1,091.61	253.02	513.09	1,903.20	2,501.42
Street light equipment, ornamental	.....	.....	.....	.....	4,767.47
Misc. construction expense	525.18	266.20	787.06	7,438.81	5,678.35
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	4,815.01	.....	.....	1,867.38	10,717.62
Total plant	32,237.24	7,354.26	7,437.65	109,050.42	99,566.67
Bank and cash balance	252.10	569.81	13.22	1,384.33	.....
Securities and investments	5,000.00	.....	.....	13,500.00	10,000.00
Accounts receivable	196.35	779.86	374.81	2,995.44	8,110.56
Inventories	669.37	217.71	.....	649.46	898.08
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	9,398.25	1,907.89	1,764.90	47,956.43	15,312.84
Other assets	.....	.....	.....	.....	.....
Total assets	47,753.31	10,829.53	9,590.58	175,536.08	133,888.15
Deficit	.....	.....	335.92	.....	.....
Total	47,753.31	10,829.53	9,926.50	175,536.08	133,888.15
LIABILITIES					
Debenture balance	5,473.33	3,172.53	3,330.83	35,275.26	61,070.23
Accounts payable	1,482.73	.....	.....	59.47	2,426.55
Bank overdraft	.....	.....	.....	.....	1,747.74
Other liabilities	5.00	.....	.....	1,356.71	80.00
Total liabilities	6,961.06	3,172.53	3,330.83	36,691.64	65,324.52
RESERVES					
For equity in H.E.P.C. systems	9,398.25	1,907.89	1,764.90	47,956.43	15,312.84
For depreciation	5,330.59	2,052.63	1,961.60	29,902.97	20,263.26
Other reserves	.....	.....	.....	.....	.....
Total reserves	14,728.84	3,960.52	3,726.50	77,859.40	35,576.10
SURPLUS					
Debentures paid	10,764.92	1,327.47	2,869.17	17,724.74	14,429.77
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	15,298.49	2,369.01	.....	43,260.50	18,557.76
Total surplus	26,063.41	3,696.48	2,869.17	60,985.24	32,987.53
Total liabilities, reserves and surplus	47,753.31	10,829.53	9,926.50	175,536.08	133,888.15
Percentage of net debt to total assets	18.1	35.6	42.6	28.8	55.1

"A"—Continued

Hydro Municipalities as at December 31, 1928

Dutton	Elmira	Elora	Embro	Erieau	Erie Beach	Essex	Etobicoke Twp.
800	2,572	1,170	443	226	27	1,809	14,315
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	5,798.43	1,494.54	.....	.....	.....	.....	23,699.30
.....	.....	.....	.....	.....	.....	.....	.....
7,667.28	25,506.45	14,829.83	8,294.10	6,670.46	1,834.77	26,451.42	249,414.50
.....	.....	.....	.....	.....	.....	.....	.....
3,043.21	12,364.44	6,645.10	2,710.75	1,263.72	543.17	10,185.85	56,638.10
3,239.98	11,225.04	5,050.98	1,729.34	1,538.51	487.23	8,771.99	50,689.60
577.88	1,136.23	784.89	460.67	240.10	.....	1,164.58	11,055.51
.....	.....	.....	.....	.....	.....	.....	.....
338.94	3,105.28	1,292.55	69.45	379.90	375.03	1,323.60	6,202.16
.....	.....	.....	.....	.....	.....	.....	.....
.....	2,168.08	1,425.47	429.25	.....	.....	.....	.....
14,867.29	61,303.95	31,523.36	13,693.56	10,092.69	3,240.20	47,897.44	397,699.17
.....	4,504.00	2,972.34	380.35	.....	482.81	6,582.90	5,694.83
6,000.00	.....	.....	.....	.....	.....	5,000.00	.....
895.85	1,765.56	1,753.93	815.30	615.74	172.62	4,160.84	12,953.07
56.02	660.47	669.60	.....	.....	.....	.....	465.68
.....	.....	.....	.....	.....	.....	.....	.....
5,912.70	25,415.07	12,441.99	3,694.26	1,010.73	266.83	7,406.82	37,756.77
.....	.....	.....	.....	.....	.....	.....	.....
27,731.86	93,649.05	49,361.22	18,583.47	11,719.16	4,162.46	71,048.00	454,569.52
.....	.....	.....	.....	.....	.....	.....	.....
27,731.86	93,649.05	49,361.22	18,583.47	11,719.16	4,162.46	71,048.00	454,569.52
6,279.03	18,653.15	7,068.98	5,157.12	5,991.17	3,115.22	21,151.19	202,549.88
.....	32.75	.....	1,482.90	82.44	74.79	1,018.71	29,388.64
360.92	.....	.....	.....	166.73	.....	.....	.....
11.84	451.69	.....	.....	.....	.....	671.75	5,236.69
6,651.79	19,137.59	7,068.98	6,640.02	6,240.34	3,190.01	22,841.65	237,175.21
5,912.70	25,415.07	12,441.99	3,694.26	1,010.73	266.83	7,406.82	37,756.77
4,565.60	13,378.29	7,492.18	3,143.88	584.00	169.00	5,927.52	42,978.89
.....	.....	.....	.....	.....	.....	.....	.....
10,478.30	38,793.36	19,934.17	6,838.14	1,594.73	435.83	13,334.34	80,735.66
2,128.46	6,346.85	5,931.02	2,342.88	891.96	184.78	1,348.81	38,450.12
.....	.....	.....	.....	.....	.....	.....	.....
8,473.31	29,371.25	16,427.05	2,762.43	2,992.13	351.84	33,523.20	98,208.53
10,601.77	35,718.10	22,358.07	5,105.31	3,884.09	536.62	34,872.01	136,658.65
27,731.86	93,649.05	49,361.22	18,583.47	11,719.16	4,162.46	71,048.00	454,569.52
30.5	28.0	19.1	44.6	58.3	81.9	35.9	56.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Exeter	Fergus	Fonthill	Ford City	Forest
Population	1,590	2,184	708	13,105	1,443
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,275.39	.....	.....	.....	5,583.88
Substation equipment	.....	.....	.....	.....	.....
Distribution system, overhead	20,284.44	28,790.85	9,230.63	146,685.19	19,580.60
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	7,655.18	11,101.01	4,401.00	56,340.86	7,370.45
Meters	7,254.65	9,626.72	4,010.40	56,164.90	8,214.64
Street light equipment, regular	922.24	1,740.07	826.52	.....	2,316.14
Street light equipment, ornamental	.....	.....	.....	22,396.52	.....
Misc. construction expense	2,953.07	1,164.59	3,515.63	3,439.78	1,143.70
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	2,546.59	.....	.....	11,042.87
Total plant	42,344.97	54,969.83	21,984.18	285,027.25	55,252.28
Bank and cash balance	5,010.84	.....	.....	.....	1,267.58
Securities and investments	.....	.....	.....	.....	2,500.00
Accounts receivable	5,201.41	2,057.01	137.52	27,507.76	3,982.96
Inventories	3,390.80	209.27	.....	.....	3,535.82
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	12,309.77	13,176.91	755.74	55,429.02	7,850.59
Other assets	.....	.....	112.02	.....	.....
Total assets	68,257.79	70,413.02	22,989.46	367,964.03	74,389.23
Deficit	.....	.....	142.88	.....	.....
Total	68,257.79	70,413.02	23,132.34	367,964.03	74,389.23
LIABILITIES					
Debenture balance	12,577.41	31,167.27	18,821.28	128,860.65	15,443.00
Accounts payable	.....	2,946.25	1,506.40	11,773.85	265.00
Bank overdraft	.....	826.21	204.63	.....	.....
Other liabilities	.....	10.00	112.02	22,396.52	.....
Total liabilities	12,577.41	34,949.73	20,644.33	163,031.02	15,708.00
RESERVES					
For equity in H.E.P.C. systems	12,309.77	13,176.91	755.74	55,429.02	7,850.59
For depreciation	8,447.74	2,547.46	553.55	24,068.91	9,478.36
Other reserves	150.00	.....	.....	.....	50.00
Total reserves	20,907.51	15,724.37	1,309.29	79,497.93	17,378.95
SURPLUS					
Debentures paid	7,422.64	10,832.73	1,178.72	20,139.35	18,957.00
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	27,350.23	8,906.19	.....	105,295.73	22,345.28
Total surplus	34,772.87	19,738.92	1,178.72	125,435.08	41,302.28
Total liabilities, reserves and surplus	68,257.79	70,413.02	23,132.34	367,964.03	74,389.23
Percentage of net debt to total assets	22.5	61.0	92.8	52.1	23.6

"A"—Continued

Hydro Municipalities as at December 31, 1928

Galt 12,576	George-town 1,970	Glencoe 782	Goderich 4,242	Granton P.V.	Guelph 19,007	Hagers-ville 1,227	Hamilton 123,359
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
198,630.68	12.00	.....	12,957.48	.....	12,546.55	.....	834,772.40
151,530.28	.....	.....	9,795.28	.....	132,455.50	864.37	384,841.69
205,888.80	24,412.82	20,093.90	54,844.17	4,091.52	151,935.16	17,309.68	777,315.23
.....	.....	.....	.....	.....	.....	.....	474,367.23
50,838.06	14,005.52	4,346.96	17,296.27	1,638.55	69,896.98	8,612.39	419,544.89
61,999.78	11,111.49	3,932.53	14,824.22	1,409.01	78,544.01	6,566.60	445,603.59
11,115.53	1,362.22	1,647.22	4,743.08	163.37	33,440.82	659.82	123,783.20
59,160.34	.....	.....	.....	.....	.....	.....	.....
23,259.58	2,742.94	3,558.42	4,900.36	113.08	21,329.16	746.00	180,515.79
.....	.....	.....	.....	.....	.....	.....	.....
.....	2,209.80	.....	14,622.15	.....	.....	.....	28,950.54
762,423.05	55,856.79	33,579.03	133,983.01	7,415.53	500,148.18	34,758.86	3,669,694.56
175.00	1,758.00	919.58	14,196.61	998.79	6,399.40	7,480.95	156,005.72
.....	14,516.82	.....	.....	2,000.00	.....	2,000.00	.....
57,724.95	2,866.56	948.08	3,232.28	638.63	35,159.36	1,879.48	339,863.47
11,759.65	763.74	.....	1,429.71	.....	25,995.04	68.00	74,757.26
141,612.81	.....	.....	.....	.....	32,529.16	.....	427,534.33
173,337.02	29,810.67	4,994.55	38,570.40	2,677.91	200,761.75	25,852.19	901,563.10
604.63	.....	.....	1,331.47	.....	.....	.....	16,525.25
1,147,637.11	105,572.58	40,441.24	192,743.48	13,730.86	800,992.89	72,039.48	5,585,943.69
.....	.....	.....	.....	.....	.....	.....	.....
1,147,637.11	105,572.58	40,441.24	192,743.48	13,730.86	800,992.89	72,039.48	5,585,943.69
451,519.02	14,111.66	12,981.43	40,879.64	2,664.09	73,386.85	4,865.82	281,543.02
23,184.25	.....	1,650.00	6,326.11	980.65	24,279.97	.....	219,583.11
33,005.65	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,331.47	.....	2,065.95	.....	122,757.02
507,708.92	14,111.66	14,631.43	48,537.22	3,644.74	99,732.77	4,865.82	3,157,775.15
173,337.02	29,810.67	4,994.55	38,570.40	2,677.91	200,761.75	25,852.19	901,563.10
138,916.01	14,951.49	3,225.75	37,113.14	1,262.31	61,481.80	4,028.49	579,304.45
3,101.03	.....	.....	.....	.....	200.00	.....	.....
315,354.06	44,762.16	8,220.30	75,683.54	3,940.22	262,443.55	29,880.68	1,480,867.55
66,482.93	5,888.34	7,131.45	35,208.41	835.91	71,613.14	3,134.18	356,586.56
141,612.81	.....	.....	.....	.....	32,529.16	.....	427,534.33
116,478.39	40,810.42	10,458.06	33,314.31	5,309.99	334,674.27	34,158.80	163,180.10
324,574.13	46,698.76	17,589.51	68,522.72	6,145.90	438,816.57	37,292.98	947,300.99
1,147,637.11	105,572.58	40,441.24	192,743.48	13,730.86	800,992.89	72,039.48	5,585,943.69
44.0	18.6	41.2	31.5	33.0	11.8	10.5	64.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harriston	Harrow P.V.	Hensall	Hespeler	Highgate
Population	1,237		732	2,815	398
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	600.00	.....	.....	3,740.39	.....
Substation equipment	.....	.....	.....	20,083.58	.....
Distribution system, overhead	17,684.51	10,833.80	12,370.10	26,198.20	6,171.82
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	6,379.74	5,870.02	4,192.33	15,940.97	2,349.25
Meters	6,033.75	5,052.65	3,060.70	11,451.72	1,634.80
Street light equipment, regular	1,141.41	453.38	590.63	3,619.63	343.16
Street light equip., ornamental	.....	.....	.....	976.50	.....
Misc. construction expense	775.06	95.42	500.45	499.47	551.98
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	1,001.43	.....	400.00	2,095.25	.....
Total plant	33,615.90	22,305.27	21,114.21	84,605.71	11,051.01
Bank and cash balance	558.63	5,885.16	3,668.71	945.32	652.53
Securities and investments	.....	.....	.....	3,000.00	2,000.00
Accounts receivable	1,232.05	2,443.84	714.83	4,662.40	548.13
Inventories	.....	51.97	.....	198.08	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	10,243.59	3,950.29	4,103.33	26,456.30	3,331.01
Other assets	.....	.....	.....	24.00	.....
Total assets	45,650.17	34,636.53	29,601.08	119,891.81	17,582.68
Deficit	.....	.....	.....	.....	.....
Total	45,650.17	34,636.53	29,601.08	119,891.81	17,582.68
LIABILITIES					
Debenture balance	15,054.61	10,573.00	9,112.45	21,695.27	3,800.46
Accounts payable	1,369.84	1,734.85	699.05	91.67	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	140.00	.....	.....	.....
Total liabilities	16,424.45	12,447.85	9,811.50	21,786.94	3,800.46
RESERVES					
For equity in H.E.P.C. systems	10,243.59	3,950.29	4,103.33	26,456.30	3,331.01
For depreciation	2,996.10	1,633.41	2,955.73	11,636.68	2,304.99
Other reserves	.....	.....	.....	.....	.....
Total reserves	13,239.69	5,583.70	7,059.06	38,092.98	5,636.00
SURPLUS					
Debentures paid	8,157.85	1,427.00	2,887.55	30,875.24	1,199.54
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	7,828.18	15,177.98	9,842.97	29,136.65	6,946.68
Total surplus	15,986.03	16,604.98	12,730.52	60,011.89	8,146.22
Total liabilities, reserves and surplus	45,650.17	34,636.53	29,601.08	119,891.81	17,582.68
Percentage of net debt to total assets	46.4	40.5	38.5	23.3	26.6

"A"—Continued

Hydro Municipalities as at December 31, 1928

Humberstone 1,766	Ingersoll 4,997	Jarvis 468	Kingsville 2,346	Kitchener 25,856	Lambeth P.V.	La Salle 647	Leamington 5,011
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	15,064.45	.....	7,587.04	51,871.96	.....	.....	7,928.55
.....	25,374.39	.....	.....	183,503.72	.....	.....	6,375.74
22,263.75	49,733.35	8,624.22	24,135.46	294,503.89	5,995.98	15,936.82	42,642.61
.....	.....	.....	.....	.....	.....	.....	5,213.46
7,514.80	24,530.73	2,526.96	11,134.16	138,941.30	1,162.07	5,245.38	20,093.24
6,719.34	24,039.87	1,850.95	11,522.51	144,447.79	1,648.37	3,692.10	19,788.39
764.86	2,890.12	691.16	1,162.55	50,884.54	167.40	663.53	1,269.02
.....	4,597.59	.....	19,200.00	.....	.....	.....	15,178.49
2,722.30	10,428.71	536.27	182.97	16,513.27	300.71	1,239.23	878.86
.....	.....	.....	.....	.....	.....	.....	.....
.....	19,633.99	.....	.....	52,398.91	.....	.....	.....
39,985.05	176,293.20	14,229.56	74,924.69	933,065.38	9,274.53	26,777.06	119,368.36
2,734.88	.....	2,381.95	1,369.76	74.00	1,329.82	311.01	5,305.60
.....	15,143.52	.....	15,000.00	12,500.00	.....	.....	4,000.00
104.28	9,948.83	191.75	4,641.53	79,450.34	722.89	2,491.21	10,472.27
.....	2,227.22	.....	.....	20,920.65	.....	.....	.....
.....	46,421.30	.....	.....	.....	.....	.....	.....
3,698.69	57,318.21	3,402.01	10,261.76	372,432.46	2,664.34	1,855.77	14,873.48
1,098.27	.....	.....	.....	84,911.85	.....	43.48	.....
47,621.17	307,352.28	20,205.27	106,197.74	1,503,354.68	13,991.58	31,478.53	154,019.71
.....	.....	.....	.....	.....	.....	.....	.....
47,621.17	307,352.28	20,205.27	106,197.74	1,503,354.68	13,991.58	31,478.53	154,019.71
27,100.00	79,800.00	8,819.37	31,646.31	300,087.67	3,032.74	14,158.56	42,291.74
174.06	.....	.....	2,927.40	46,170.49	.....	4.00	5,540.66
.....	5,455.65	.....	.....	.....	.....	563.45	.....
1,031.89	4,597.59	.....	20,328.28	84,072.20	.....	316.01	16,843.77
28,305.95	89,853.24	8,819.37	54,901.99	430,330.36	3,032.74	15,042.02	64,676.17
3,698.69	57,318.21	3,402.01	10,261.76	372,432.46	2,664.34	1,855.77	14,873.48
1,612.86	22,055.96	1,083.00	9,031.69	165,485.86	1,818.41	1,958.29	9,192.99
.....	.....	.....	.....	13,143.52	.....	.....	.....
5,311.55	79,374.17	4,485.01	19,293.45	551,061.84	4,482.75	3,814.06	24,066.47
4,900.00	.....	1,680.63	1,853.69	212,062.33	967.26	1,341.44	5,708.26
.....	46,421.30	.....	.....	.....	.....	.....	.....
9,103.67	91,703.57	5,220.26	30,148.61	309,900.15	5,508.83	11,281.01	59,568.81
14,003.67	138,124.87	6,900.89	32,002.30	521,962.48	6,476.09	12,622.45	65,277.07
47,621.17	307,352.28	20,205.27	106,197.74	1,503,354.68	13,991.58	31,478.53	154,019.71
64.4	21.3	52.5	57.2	38.0	26.8	50.8	46.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Listowel	London	London Twp.	Lucan	Lynden P.V.
Population	2,448	64,293	7,431	574	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,416.07	395,395.43	.....	.....	241.18
Substation equipment	.....	785,228.78	.....	.....	.....
Distribution system, overhead	33,888.65	663,371.34	14,618.76	9,264.77	3,727.60
Distribution system, underground	549.14	146,585.74	.....	.....	.....
Line transformers	14,609.92	176,344.84	4,570.23	3,402.74	1,719.16
Meters	13,793.68	280,977.32	3,034.13	2,911.25	1,429.84
Street light equipment, regular	1,633.00	44,274.94	665.98	399.07	220.71
Street light equip., ornamental	1,348.66	17,427.05	.....	.....	.....
Misc. construction expense	2,009.08	82,090.14	478.71	445.77	193.57
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	4,745.30	.....	1,733.80	2,860.45	.....
Total plant	73,993.50	2,591,695.58	25,101.61	19,284.05	7,532.06
Bank and cash balance	2,434.81	119,421.78	2,441.31	426.87	196.81
Securitise and investments	.....	.....	.....	7,000.00	2,000.00
Accounts receivable	3,565.27	275,180.99	2,236.06	842.11	123.86
Inventories	106.36	55,308.98	.....	.....	.....
Sinking fund on local debentures	.....	283,857.38	.....	.....	.....
Equity in Hydro systems	20,316.27	676,862.62	2,378.45	6,835.38	5,544.62
Other assets	.....	.....	.....	.....	.....
Total assets	100,416.21	4,002,327.33	32,157.43	34,388.41	15,397.35
Deficit	.....	.....	.....	.....	.....
Total	100,416.21	4,002,327.33	32,157.43	34,388.41	15,397.35
LIABILITIES					
Debenture balance	16,817.31	1,232,788.97	15,333.58	6,119.47	3,360.56
Accounts payable	2,260.79	161,121.87	1,555.74	1,293.95	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,438.66	430.86	.....	.....	.....
Total liabilities	20,516.76	1,394,341.70	16,889.32	7,413.42	3,360.56
RESERVES					
For equity in H.E.P.C. systems	20,316.27	676,862.62	2,378.45	6,835.38	5,544.62
For depreciation	16,887.62	601,621.90	1,432.55	4,672.17	1,995.70
Other reserves	.....	42,755.51	.....	.....	.....
Total reserves	37,203.89	1,321,240.03	3,811.00	11,507.55	7,540.32
SURPLUS					
Debentures paid	26,372.58	349,111.03	3,666.42	5,094.15	1 134.44
Local sinking fund	.....	283,857.38	.....	.....	.....
Additional operating surplus	16,322.98	653,777.19	7,790.69	10,373.29	3,362.03
Total surplus	42,695.56	1,286,745.60	11,457.11	15,467.44	4,496.47
Total liabilities, reserves and surplus	100,416.21	4,002,327.33	32,157.43	34,388.41	15,397.35
Percentage of net debt to total assets	25.6	36.5	56.7	26.9	34.1

"A"—Continued

Hydro Municipalities as at December 31, 1928

Markham 956	Merlin P.V.	Merritton 2,520	Milton 1,875	Milverton 947	Mimico 5,491	Mitchell 1,640	Moorefield P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	350.00	.....	237.20	13,588.87	12,649.72	.....
.....	.....	22,700.61	11,868.94	.....	26,151.79	21,130.32	.....
10,607.49	7,790.71	18,480.91	18,250.53	10,707.98	58,224.14	25,234.44	2,991.03
.....	.....	.....	.....	.....	.....	.....	.....
3,839.84	1,875.28	4,477.42	10,858.20	7,243.25	21,777.43	7,275.18	990.72
4,564.95	2,127.20	7,966.17	10,925.56	4,633.47	24,720.93	10,219.15	1,065.12
556.59	555.64	1,739.30	986.67	669.56	4,059.54	2,397.96	295.88
.....	.....	.....	.....	.....	.....	.....	.....
1,318.86	455.36	2,075.80	4,519.84	982.33	4,448.95	862.55	348.35
.....	.....	.....	.....	.....	.....	1,500.00	.....
.....	241.85	.....	4,065.85	.....	.....	.....	.....
20,887.73	13,046.04	57,790.21	61,475.59	24,473.79	152,971.65	81,269.32	5,691.10
3,723.37	2,652.01	.....	1,095.26	1,539.88	3,732.73	5,190.17	2,331.98
1,809.48	6,000.00	.....	.....	5,000.00	.....	.....	.....
1,675.36	958.00	1,681.90	8,331.18	2,506.23	5,419.82	2,116.04	439.81
.....	.....	.....	6,390.46	20.00	.....	620.96	.....
.....	.....	.....	.....	.....	.....	.....	.....
4,179.32	3,561.46	14,619.32	38,783.94	16,610.50	36,435.26	13,920.87	1,819.22
.....	.....	.....	.....	.....	2,755.62	.....	.....
32,275.26	26,217.51	74,091.43	116,076.43	50,150.40	201,315.08	103,117.36	10,282.11
.....	.....	.....	.....	.....	.....	.....	.....
32,275.26	26,217.51	74,091.43	116,076.43	50,150.40	201,315.08	103,117.36	10,282.11
5,631.63	10,747.59	14,330.62	13,668.82	4,516.80	85,533.39	2,233.81	2,643.33
721.00	559.37	.....	1,003.58	.....	.....	1,223.75	277.04
.....	.....	222.23	.....	.....	.....	.....	.....
5.00	.....	.....	.....	26.71	2,625.00	50.05	.....
6,357.63	11,306.96	14,552.85	14,672.40	4,543.51	88,158.39	3,507.61	2,920.37
4,179.32	3,561.46	14,619.32	38,783.94	16,610.50	36,435.26	13,920.87	1,819.22
2,906.91	1,065.30	6,629.73	11,681.76	3,398.26	27,660.50	22,679.58	1,253.84
.....	.....	.....	194.37	.....	.....	.....	.....
7,086.23	4,626.76	21,249.05	50,660.07	20,008.76	64,095.76	36,600.45	3,073.06
5,742.00	2,616.12	5,855.59	19,044.16	4,983.20	21,466.61	20,061.41	1,856.67
.....	.....	.....	.....	.....	.....	.....	.....
13,089.40	7,667.67	32,433.94	31,699.80	20,614.93	27,594.32	42,947.89	2,432.01
18,831.40	10,283.79	38,289.53	50,743.96	25,598.13	49,060.93	63,009.30	4,288.68
32,275.26	26,217.51	74,091.43	116,076.43	50,150.40	201,315.08	103,117.36	10,282.11
22.6	49.9	24.5	19.0	13.5	53.5	3.9	34.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Mount Brydges	Newbury	New Hamburg	New Toronto	Niagara Falls
Population	P.V.	285	1,394	5,023	18,492
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	2,471.21	39,093.82	122,933.55
Substation equipment	.....	.....	1,167.55	.....	156,983.98
Distribution system, overhead	5,968.05	6,111.31	21,286.29	60,630.48	174,237.73
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,709.69	1,036.62	6,231.22	19,744.77	141,839.64
Meters	2,004.43	944.42	7,408.50	20,518.43	105,845.98
Street light equipment, regular	507.73	817.42	1,547.70	7,774.43	22,141.01
Street light equip., ornamental	.....	.....	.....	.....	84,968.35
Misc. construction expense	152.82	485.13	1,818.97	4,860.07	16,323.58
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	348.22	5,242.56	.....	12,707.30
Total plant	10,342.72	9,743.12	47,174.00	152,622.00	837,981.12
Bank and cash balance	1,477.80	1,721.84	1,494.92	25.00	19,854.00
Securities and investments	2,000.00	.....	3,000.00	.....	.....
Accounts receivable	647.27	89.37	2,683.11	13,003.49	4,197.20
Inventories	.....	10.52	1,428.54	.....	407.82
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	1,899.39	1,165.58	16,532.49	121,562.92	166,688.21
Other assets	.....	.....	.....	2,817.86	4,314.15
Total assets	16,367.18	12,730.43	72,313.06	290,031.27	1,033,442.50
Deficit	.....	.....	.....	.....	.....
Total	16,367.18	12,730.43	72,313.06	290,031.27	1,033,442.50
LIABILITIES					
Debenture balance	3,037.80	6,700.00	10,378.25	5,401.70	387,929.91
Accounts payable	334.37	165.53	6,782.27	.....	15,279.32
Bank overdraft	.....	.....	.....	1,652.42	.....
Other liabilities	.....	.....	14.00	2,817.86	11,661.47
Total liabilities	3,372.17	6,865.53	17,174.52	9,871.98	414,870.70
RESERVES					
For equity in H.E.P.C. systems	1,899.39	1,165.58	16,532.49	121,562.92	166,688.21
For depreciation	861.94	1,306.49	9,113.42	23,316.88	89,017.12
Other reserves	.....	.....	.....	.....	3,494.98
Total reserves	2,761.33	2,472.07	25,645.91	144,879.80	259,200.31
SURPLUS					
Debentures paid	1,182.20	3,054.39	7,350.83	2,598.30	227,313.09
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	9,051.48	338.44	22,141.80	132,681.19	132,058.40
Total surplus	10,233.68	3,392.83	29,492.63	135,279.49	359,371.49
Total liabilities, reserves and surplus	16,367.18	12,730.43	72,313.06	290,031.27	1,033,442.50
Percentage of net debt to total assets	23.3	59.3	30.7	5.8	47.8

"A"—Continued

Hydro Municipalities as at December 31, 1928

Niagara-on-the-Lake	Norwich	Oil Springs	Otterville P.V.	Palmerston	Paris	Parkhill	Petrolia
1,605	1,297	428		1,708	4,130	964	2,583
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,312.35	4,157 99	1,042.00	.....	.....	7,626.26	.....	900.00
8,663.05	.....	.....	.....	691.88	22,158.87	.....	2,403.55
20,641.06	9,560.30	11,930.73	5,266.03	24,108.77	47,120.72	15,595.23	35,968.68
.....	.....	.....	.....	.....	.....	.....	.....
5,090.72	4,497.24	5,256.88	2,670.00	8,148.59	16,376.22	4,324.17	23,663.68
5,867.56	6,044.41	3,252.97	2,064.71	7,162.12	17,823.61	3,796.98	14,106.19
1,121.10	1,132.27	305.72	378.37	1,699.46	3,696.65	878.43	985.28
.....	2,882.85	.....	.....	.....	9,636.85	.....	3,864.07
1,259.37	1,743.33	3,767.85	142.00	1,771.75	37.60	1,464.19	7,294.29
.....	.....	.....	.....	.....	.....	.....	.....
.....	3,509.82	.....	.....	4,018.71	16,684.76	.....	3,389.94
44,955.21	33,528.21	25,556.15	10,521.11	47,601.28	141,161.54	26,059.00	92,575.68
50.00	3,686.33	1,105.67	4,303.10	256.88	8,415.57	.....	372.44
.....	3,000.00	.....	.....	.....	8,000.00	.....	8,400.00
1,758.63	3,123.54	2,182.19	1,026.56	2,677.03	4,169.47	1,349.25	3,208.66
1,656.75	1,516.45	769.39	.....	119.42	.....	.....	2,043.83
.....	.....	.....	.....	.....	18,713.45	.....	.....
7,759.93	12,752.94	8,623.12	2,375.60	12,103.43	36,654.95	4,842.88	32,147.11
.....	.....	.....	.....	.....	.....	.....	.....
56,180.52	57,607.47	38,236.52	18,226.37	62,758.04	217,114.98	32,251.13	138,747.72
.....	.....	.....	.....	.....	.....	.....	.....
56,180.52	57,607.47	38,236.52	18,226.37	62,758.04	217,114.98	32,251.13	138,747.72
5,080.53	8,594.95	9,982.78	2,190.13	8,005.87	37,599.07	10,480.52	34,284.86
10,418.25	.....	1,119.26	.....	2,500.00	3,339.49	809.25	738.11
2,787.70	.....	.....	.....	.....	.....	31.60	2,745.98
.....	.....	.....	.....	288.24	.....	15.00	.....
18,286.48	8,594.95	11,102.04	2,190.13	10,794.11	40,938.56	11,336.37	37,768.95
7,759.93	12,752.94	8,623.12	2,375.60	12,103.43	36,654.95	4,842.88	32,147.11
4,037.72	1,910.16	4,476.53	2,287.05	4,992.40	43,769.23	2,288.79	17,554.33
.....	.....	.....	.....	719.77	.....	.....	350.00
11,797.65	14,663.10	13,099.65	4,662.65	17,815.60	80,424.18	7,131.67	50,051.44
11,593.01	5,161.05	6,738.53	2,309.87	18,994.13	54,400.93	4,149.50	15,715.14
.....	.....	.....	.....	.....	18,713.45	.....	.....
14,503.38	29,188.37	7,296.30	9,063.72	15,154.20	22,637.86	9,633.59	35,212.19
26,096.39	34,349.42	14,034.83	11,373.59	34,148.33	95,752.24	13,783.09	50,927.33
56,180.52	57,607.47	38,236.52	18,226.37	62,758.04	217,114.98	32,251.13	138,747.72
37.7	19.1	37.4	13.8	21.3	13.7	41.3	35.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Plattsville P.V.	Point Edward	Port Colborne	Port Credit	Port Dalhousie
Population		1,400	5,374	1,350	1,554
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	22,120.24	675.00	.....
Substation equipment	.....	.....	.....	.....	.....
Distribution system, overhead	3,253.80	16,031.08	63,465.33	20,185.57	13,339.25
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,205.47	5,755.49	20,494.77	6,317.04	7,092.61
Meters	1,679.38	4,713.73	19,097.31	7,026.74	8,468.25
Street light equipment, regular	147.15	713.92	3,956.60	3,975.00	718.70
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	535.92	503.14	5,831.78	799.11	2,597.49
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	9,929.60	.....	6,018.38
Total plant	6,821.72	27,717.36	144,895.63	38,978.46	38,234.68
Bank and cash balance	.....	13,323.78	15.00	3,331.04	2,370.12
Securities and investments	.....	.....	.....	.....	3,000.00
Accounts receivable	343.49	669.30	5,297.00	1,401.69	2,317.86
Inventories	.....	.....	3,698.35	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	1,409.29
Equity on Hydro systems	2,928.63	13,023.51	22,349.21	9,192.92	7,549.23
Other assets	.....	.....	1,028.16	.....	.....
Total assets	10,093.84	54,733.95	177,283.35	52,904.11	54,881.18
Deficit	360.47	.....	.....	.....	.....
Total	10,454.31	54,733.95	177,283.35	52,904.11	54,881.18
LIABILITIES					
Debenture balance	3,692.18	12,217.82	97,509.49	10,829.94	14,855.82
Accounts payable	81.22	1,229.38	2,188.68	487.90	.....
Bank overdraft	231.63	.....	2,540.42	.....	.....
Other liabilities	.....	.....	945.00	35.00	40.00
Total liabilities	4,005.03	13,447.20	103,183.59	11,352.84	14,895.82
RESERVES					
For equity in H.E.P.C. systems	2,928.63	13,023.51	22,349.21	9,192.92	7,549.23
For depreciation	1,975.83	5,736.71	13,773.71	8,281.63	4,089.39
Other reserves	.....	.....	459.76	.....	.....
Total reserves	4,904.46	18,760.22	36,582.68	17,474.55	11,638.62
SURPLUS					
Debentures paid	1,544.82	4,782.18	23,490.51	3,670.06	7,644.18
Local sinking fund	.....	.....	.....	.....	1,409.29
Additional operating surplus	.....	17,744.35	14,026.57	20,406.66	19,293.27
Total surplus	1,544.82	22,526.53	37,517.08	24,076.72	28,346.74
Total liabilities, reserves and surplus	10,454.31	54,733.95	177,283.35	52,904.11	54,881.18
Percentage of net debt to total assets	55.8	32.2	66.5	25.9	29.3

"A"—Continued

Hydro Municipalities as at December 31, 1928

Port Dover 1544	Port Rowan 696	Port Stanley 690	Preston 5,622	Princeton P.V.	Queenston P.V.	Richmond Hill 1,197	Ridgetown 1,942
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
248.75	.....	1,521.25	.....	.....	.....	.....	.....
.....	.....	.....	37,923.27	.....	.....	600.00	1,024.24
24,150.66	8,830.70	17,034.47	83,628.27	3,025.06	6,809.45	7,529.93	18,656.66
.....	.....	.....	.....	.....	.....	.....	.....
8,400.23	1,676.62	7,634.68	42,553.44	962.62	1,541.35	6,467.89	9,444.10
5,247.47	1,395.72	6,574.41	34,968.84	995.93	1,483.49	4,126.21	8,704.02
1,904.15	888.04	1,111.38	4,380.45	116.30	416.29	1,311.72	2,271.22
.....	.....	.....	.....	.....	.....	.....	1,431.73
2,571.88	681.53	5,780.17	6,670.45	64.35	1,948.71	19.13	1,598.32
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	577.51	32,126.75	.....	.....	.....	5,088.46
42,523.14	13,472.61	40,224.87	242,251.47	5,164.26	12,199.29	20,054.88	48,218.75
255.06	53.97	1,259.57	8,933.78	1,816.07	59.08	2,934.91	320.60
.....	.....	3,000.00	.....	.....	.....	.....	10,000.00
2,585.50	211.50	1,631.83	19,177.02	643.68	77.26	2,198.42	2,716.75
209.29	.....	.....	15.75	7.10	2.28	370.24	1,434.01
.....	.....	.....	.....	.....	.....	.....	.....
5,336.49	883.82	12,312.48	86,878.42	1,877.99	1,917.39	2,793.38	12,213.86
.....	.....	.....	.....	.....	.....	.....	.....
50,909.48	14,621.90	58,428.75	357,256.44	9,509.10	14,255.30	28,351.83	74,903.97
.....	3,087.62	.....	.....	.....	.....	.....	.....
50,909.48	17,709.52	58,428.75	357,256.44	9,509.10	14,255.30	28,351.83	74,903.97
19,878.40	10,700.97	11,139.97	57,249.71	2,502.81	6,174.47	7,172.82	7,981.49
.....	5,569.70	465.83	16,773.92	.....	1,627.25	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
169.00	.....	398.00	.....	.....	.....	.....	1,431.73
20,047.40	16,270.67	12,003.80	74,023.63	2,502.81	7,801.72	7,172.82	9,413.22
5,336.49	883.82	12,312.48	86,878.42	1,877.99	1,917.39	2,793.38	12,213.86
5,168.55	256.00	6,535.82	61,701.13	1,634.81	1,435.00	1,383.73	8,448.53
.....	.....	.....	.....	.....	.....	.....	.....
10,505.04	1,139.82	18,848.30	148,579.55	3,512.80	3,352.39	4,177.11	20,662.39
9,121.60	299.03	7,810.03	75,550.29	1,047.19	1,825.53	5,027.18	11,474.50
11,235.44	.....	19,766.62	59,102.97	2,446.30	1,275.66	11,974.72	33,353.86
20,357.04	299.03	27,576.65	134,653.26	3,493.49	3,101.19	17,001.90	44,828.36
50,909.48	17,709.52	58,428.75	357,256.44	9,509.10	14,255.30	28,351.83	74,903.97
43.9	118.4	26.	27.3	32.7	63.2	28 .	15.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Riverside	Rockwood P.V.	Rodney	St. Catharines	St. Clair Beach
Population	3,909		760	22,376	122
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	79.00	.....	38,402.09	.....
Substation equipment	.....	.....	.....	66,185.82	.....
Distribution system, overhead	80,319.08	6,714.57	9,145.51	164,525.51	6,863.88
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	24,689.83	1,493.77	2,118.74	93,344.25	1,947.09
Meters	21,048.73	2,176.05	3,306.97	70,970.91	1,168.38
Street light equipment, regular	.....	519.98	586.17	15,977.97	.....
Street light equip., ornamental	3,393.58	.....	.....	27,448.87	.....
Misc. construction expense	4,571.45	356.05	792.65	32,762.21	.....
Steam or hydraulic plant	.....	.....	.....	6,302.64	.....
Old plant	.....	.....	700.00	8,110.00	.....
Total plant	134,022.67	11,339.42	16,650.04	524,030.27	9,979.35
Bank and cash balance	.....	.....	196.06	5,157.28	.....
Securities and investments	.....	.....	7,000.00	25,969.06	.....
Accounts receivable	15,813.76	960.88	527.58	22,411.33	4,029.33
Inventories	.....	172.79	.....	739.21	.....
Sinking fund on local debentures	.....	.....	.....	49,434.94	.....
Equity in Hydro systems	16,746.20	3,521.64	3,362.31	142,759.53	1,548.03
Other assets	.....	.....	.....	.....	.....
Total assets	166,582.63	15,994.73	27,735.99	770,501.62	15,556.71
Deficit	.....	.....	.....	.....	.....
Total	166,582.63	15,994.73	27,735.99	770,501.62	15,556.71
LIABILITIES					
Debenture balance	70,686.21	.....	6,577.34	181,131.18	5,127.87
Accounts payable	6,464.96	.....	.....	35,696.73	207.66
Bank overdraft	.....	47.14	.....	.....	.....
Other liabilities	3,393.58	.....	.....	27,448.87	.....
Total liabilities	80,544.75	47.14	6,577.34	244,276.78	5,335.53
RESERVES					
For equity in H.E.P.C. systems	16,746.20	3,521.64	3,362.31	142,759.53	1,548.03
For depreciation	11,705.59	3,394.93	2,220.53	111,732.11	1,056.00
Other reserves	.....	.....	.....	10,190.53	
Total reserves	28,451.79	6,916.57	5,582.84	264,682.17	2,604.03
SURPLUS					
Debentures paid	11,813.79	2,000.00	1,922.66	50,891.73	1,213.58
Local sinking fund	.....	.....	.....	49,434.94	.....
Additional operating surplus	45,772.30	7,031.02	13,653.15	161,216.00	6,403.57
Total surplus	57,586.09	9,031.02	15,575.81	261,542.67	7,617.15
Total liabilities, reserves and surplus	166,582.63	15,994.73	27,735.99	770,501.62	15,556.71
Percentage of net debt to total assets	53.7	0.3	26.9	33.7	38.

"A"—Continued

Hydro Municipalities as at December 31, 1928

St. George P.V.	St. Jacobs P.V.	St. Marys 4,007	St. Thomas 16,586	Sandwich 9,407	Sarnia 16,066	Scarboro' Twp. 15,276	Seaforth 1,751
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	3,000.00	45,964.23	364.48	92,134.14	15,762.74	1,251.57
.....	.....	24,057.08	105,747.84	2,675.50	182,881.34	.....	5,999.16
5,900.94	5,750.90	45,692.55	102,246.80	96,206.14	178,716.83	208,753.94	25,542.30
.....	.....	.....	29,010.95	.....	.....	.....	.....
2,504.42	2,223.59	16,771.70	47,945.37	39,645.86	87,722.83	43,440.58	6,294.74
2,643.87	2,177.21	20,166.44	61,125.86	46,984.10	68,319.41	51,865.29	7,275.86
228.77	311.60	3,382.47	13,587.90	9,677.07	9,582.55	14,934.58	1,953.55
.....	.....	.....	7,538.63	43,675.45	7,482.11	.....	.....
374.18	452.22	4,184.98	6,012.97	8,473.86	21,739.10	557.92	520.33
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	20,696.85	2,023.00	4,148.96	55,806.67	.....	.....
11,652.18	10,915.52	137,952.07	421,203.55	251,851.42	704,384.98	335,315.05	48,837.51
526.06	848.74	.....	3,574.02	28,703.35	.....	1,903.96	2,371.46
2,000.00	3,000.00	.....	53,206.81	.....	.....	.....	13,000.00
1,008.99	615.87	6,979.29	22,099.75	14,800.27	31,786.71	10,657.86	3,388.56
90.70	25.40	3,052.23	624.86	155.99	8,222.39	.....	3,250.31
.....	.....	12,964.55	.....	.....	.....	.....	10,563.10
3,936.62	3,765.79	42,824.58	144,329.22	52,795.16	163,051.15	33,339.11	23,141.26
.....	150.00	.....	.....	.....	.....	.....	.....
19,214.55	19,321.32	203,772.72	645,038.21	348,306.19	907,445.23	381,215.98	104,552.20
.....	.....	.....	.....	.....	.....	.....	.....
19,214.55	19,321.32	203,772.72	645,038.21	348,306.19	907,445.23	381,215.98	104,552.20
4,319.10	3,490.28	39,286.44	55,660.04	126,758.74	220,841.82	150,477.97	25,000.00
.....	.....	3,000.00	123.69	.....	31,462.40	23,647.75	693.34
.....	.....	263.32	.....	.....	27,322.98	14,132.83	.....
15.50	150.00	.....	5,152.66	53,830.85	.....	15,840.23	.....
4,334.60	3,640.28	42,549.76	60,936.39	180,589.59	279,627.20	204,098.78	25,693.34
3,936.62	3,765.79	42,824.58	144,329.22	52,795.16	163,051.15	33,339.11	23,141.26
1,288.26	1,619.25	35,262.71	72,306.32	20,626.42	86,833.07	34,399.77	14,475.39
.....	.....	209.05	555.90	.....	583.19	.....	.....
5,224.88	5,385.04	78,296.34	217,191.44	73,421.58	250,467.41	67,738.88	37,616.65
1,680.90	2,509.72	49,960.58	87,424.39	18,814.29	117,158.18	40,090.30	.....
.....	.....	12,964.55	.....	.....	.....	.....	10,563.10
7,974.17	7,786.28	20,001.49	279,485.99	75,480.73	260,192.44	69,288.02	30,679.11
9,655.07	10,296.00	82,926.62	366,910.38	94,295.02	377,350.62	109,378.32	41,242.21
19,214.55	19,321.32	203,772.72	645,038.21	348,306.19	907,445.23	381,215.98	104,552.20
28.3	23.4	20.0	12.1	61.1	37.5	58.6	21.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Simcoe	Springfield	Stamford Twp.	Stouffville	Stratford
Population	4,491	394	6,490	1,080	18,058
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	6,088.14	.....	7,160.29	.....	120,780.75
Substation equipment	19,574.21	.....	32,723.66	.....	112,242.24
Distribution system, overhead	36,401.87	7,789.85	86,101.97	10,304.36	150,683.99
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	18,126.74	2,169.19	31,563.85	2,896.22	83,771.57
Meters	15,028.16	1,688.81	22,504.79	2,816.78	79,452.32
Street light equipment, regular	5,233.69	380.46	6,310.90	865.64	19,681.87
Street light equipment, ornamental	2,527.16	.....	.....	.....	.....
Misc. construction expense	5,263.43	691.36	8,064.66	338.73	16,131.42
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	927.92	.....	13,743.66	3,866.37	16,150.00
Total plant	109,171.32	12,719.67	208,173.78	21,088.10	598,894.16
Bank and cash balance	25.00	4,048.21	.....	4,073.41	9,621.47
Securities and investments	.....	.....	.....	3,000.00	20,000.00
Accounts receivable	.....	485.77	20,113.22	1,650.57	69,633.47
Inventories	760.41	.....	4,632.58	.....	12,878.85
Sinking fund on local debentures	.....	.....	.....	.....	128,607.85
Equity in Hydro systems	21,599.23	2,628.85	21,796.04	3,277.55	180,096.25
Other assets	.....	.....	2,760.50	.....	.....
Total assets	131,555.96	19,882.50	257,476.12	33,089.63	1,019,732.05
Deficit	.....	.....	.....	.....	.....
Total	131,555.96	19,882.50	257,476.12	33,089.63	1,019,732.05
LIABILITIES					
Debenture balance	55,296.36	4,370.96	90,808.90	13,443.94	412,000.00
Accounts payable	5,988.08	389.20	56,001.40	.....	.....
Bank overdraft	21.70	.....	42.57	.....	.....
Other liabilities	3,500.00	16.00	2,628.50	.....	.....
Total liabilities	64,806.14	4,776.16	149,481.37	13,443.94	412,000.00
RESERVES					
For equity in H.E.P.C. systems	21,599.23	2,628.85	21,796.04	3,277.55	180,096.25
For depreciation	10,041.49	964.88	17,832.94	1,678.05	133,846.97
Other reserves	.....	.....	588.72	.....	317.02
Total reserves	31,640.72	3,593.73	40,217.70	4,955.60	314,260.24
SURPLUS					
Debentures paid	8,138.54	5,129.04	26,737.46	5,096.33	43,800.00
Local sinking fund	.....	.....	.....	.....	128,607.85
Additional operating surplus	26,970.56	6,383.57	41,039.59	9,593.76	121,063.96
Total surplus	35,109.10	11,512.61	67,777 05	14,690.09	293,471.81
Total liabilities, reserves and surplus	131,555.96	19,882.50	257,476.12	33,089.63	1,019,732.05
Percentage of net debt to total assets	58.9	27.6	63.4	45.1	39.8

"A"—Continued

Hydro Municipalities as at December 31, 1928

Strathroy 2,605	Sutton 747	Tavistock 993	Tecumseh 1,951	Thames-ford P.V.	Thames-ville 817	Thedford 558	Thorndale P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,127.70	.....	234.02	.....	.....	627.37	.....	.....
11,918.37	.....	.....	.....	.....	.....	.....	.....
33,781.32	18,267.59	10,472.10	29,462.14	7,198.71	10,432.59	7,447.28	3,160.38
.....	.....	.....	.....	.....	.....	.....	.....
17,876.85	4,405.62	4,193.02	6,757.02	2,436.71	4,646.49	1,363.70	1,583.98
12,888.06	4,566.77	4,275.11	9,275.24	2,163.28	3,523.18	1,884.58	1,318.25
1,633.57	1,331.70	878.59	.....	321.55	1,190.37	885.46	112.29
.....	.....	.....	280.75	.....	.....	.....	.....
1,701.33	1,464.39	592.19	1,262.48	214.02	694.77	1,530.81	310.45
.....	.....	.....	.....	.....	.....	.....	.....
12,343.15	675.00	.....	.....	.....	4,445.68	433.78	.....
99,270.35	30,711.07	20,645.03	47,037.63	12,334.27	25,560.45	13,545.61	6,485.35
1,788.85	956.16	750.92	.....	1,172.54	333.31	425.98	1,471.85
.....	.....	6,686.29	.....	6,000.00	6,000.00	4,000.00	.....
7,952.28	1,040.29	1,660.23	2,879.94	1,208.78	543.13	532.82	411.91
5,323.05	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
25,390.00	2,647.87	12,460.14	4,928.40	5,393.20	4,923.02	2,315.72	3,084.30
.....	.....	.....	.....	.....	.....	.....	.....
139,724.53	35,355.39	42,202.61	54,845.97	26,108.79	37,359.91	20,820.13	11,453.41
.....	.....	.....	.....	.....	.....	.....	.....
139,724.53	35,355.39	42,202.61	54,845.97	26,108.79	37,359.91	20,820.13	11,453.41
23,703.13	21,358.21	4,562.56	20,613.32	2,593.75	6,728.59	12,734.99	1,827.53
1,156.60	2,245.74	65.00	6,305.00	.....	.....	108.33	200.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	280.75	.....	.....	.....	.....
24,859.73	23,603.95	4,627.56	27,199.07	2,593.75	6,728.59	12,843.32	2,027.53
25,390.00	2,647.87	12,460.14	4,928.40	5,393.20	4,923.02	2,315.72	3,084.30
20,539.70	1,855.02	.....	4,973.31	3,046.37	3,589.38	1,448.33	1,602.99
400.00	.....	4,153.71	.....	.....	.....	.....	.....
46,329.70	4,502.89	16,613.85	9,901.71	8,439.57	8,512.40	3,764.05	4,687.29
22,528.87	4,641.79	1,437.44	5,386.68	2,764.28	4,459.21	3,765.01	1,258.95
.....	.....	.....	.....	.....	.....	.....	.....
46,006.23	2,606.76	19,523.76	12,358.51	12,311.19	17,659.71	447.75	3,479.64
68,535.10	7,248.55	20,961.20	17,745.19	15,075.47	22,118.92	4,212.76	4,738.59
139,724.53	35,355.39	42,202.61	54,845.97	26,108.79	37,359.91	20,820.13	11,453.41
21.7	72.1	15.5	54.4	12.5	20.7	69.4	24.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thorold	Tilbury	Tillsonburg	Toronto	Toronto Twp.
Population	4,957	1,996	3,238	556,691	8,082
	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	969.46	4,266.90	3,429,806.44	6,287.53
Substation equipment	.....	.....	13,937.52	12,183,196.69	.....
Distribution system, overhead	29,268.11	10,344.84	34,202.34	5,956,937.61	149,271.52
Distribution system, underground	.....	.....	.....	2,552,316.83	.....
Line transformers	11,112.92	9,202.72	13,209.33	2,400,370.15	30,665.67
Meters	18,062.68	6,777.55	13,747.77	2,467,289.65	23,867.91
Street light equipment, regular	2,364.18	965.88	3,039.13	434,349.19	3,380.52
Street light equipment, ornamental	.....	.....	510.67	.....	.....
Misc. construction expense	5,454.87	1,280.11	2,242.46	2,089,368.11	2,037.58
Steam or hydraulic plant	17,643.54	.....	.....	.....	.....
Old plant	.....	3,049.47	.....	3,551,586.31	619.65
Total plant	83,906.30	32,590.03	85,156.12	35,065,220.98	216,130.38
Bank and cash balance	12,869.09	478.14	2,112.06	.....	20.00
Securities and investments	.....	14,000.00	25,000.00	.....	.....
Accounts receivable	19,528.62	.....	6,243.53	1,701,810.59	5,387.68
Inventories	64.87	.....	2,790.73	655,052.67	.....
Sinking fund on local debentures	.....	.....	.....	4,394,941.78	.....
Equity in Hydro systems	17,274.04	12,595.78	27,189.40	5,094,514.13	20,606.95
Other assets	.....	.....	.....	.....	.....
Total assets	133,642.92	59,663.95	148,491.84	46,911,540.15	242,145.01
Deficit	.....	.....	.....	.....	.....
Total	133,642.92	59,663.95	148,491.84	46,911,540.15	242,145.01
LIABILITIES					
Debenture balance	2,353.98	9,299.57	16,187.38	25,408,868.25	57,552.04
Accounts payable	1,672.20	235.70	.....	1,663,604.57	3,025.00
Bank overdraft	.....	.....	1,400.66	118,060.98	4,920.78
Other liabilities	1,383.50	.....	1,506.00	.....	1,125.96
Total liabilities	5,409.68	9,535.27	19,094.04	27,190,533.80	66,623.78
RESERVES					
For equity in H.E.P.C. systems	17,274.04	12,595.78	27,189.40	5,094,514.13	20,606.95
For depreciation	22,235.05	6,589.79	21,556.81	5,222,918.93	51,400.01
Other reserves	.....	.....	.....	856,763.57	.....
Total reserves	39,509.09	19,185.57	48,746.21	11,174,196.63	72,006.96
SURPLUS					
Debentures paid	2,646.02	4,700.43	19,812.62	2,922,131.75	21,447.96
Local sinking fund	.....	.....	.....	4,394,941.78	.....
Additional operating surplus	86,078.13	26,242.68	60,838.97	1,229,736.19	82,066.31
Total surplus	88,724.15	30,943.11	80,651.59	8,546,809.72	103,514.27
Total liabilities reserves and surplus	133,642.92	59,663.95	148,491.84	46,911,540.15	242,145.01
Percentage of net debt to total assets	4.6	20.2	15.7	60.9	30.0

"A"—Continued

Hydro Municipalities as at December 31, 1928

Trafalgar Twp. 3,779	Walkerville 9,852	Wallaceburg 4,145	Wardsville 212	Waterdown 817	Waterford 1,030	Waterloo 7,135	Watford 1,031
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	132,379.64	36,546.92	.....	200.00	.....	14,221.41	.....
.....	84,950.85	9,401.87	.....	.....	.....	62,431.03	.....
19,621.00	108,584.68	48,310.53	4,657.33	12,954.27	14,437.17	69,807.14	14,862.46
.....	.....	.....	.....	.....	.....	.....	.....
6,576.14	77,353.15	30,412.01	966.09	3,270.37	5,761.47	31,446.76	4,526.54
3,639.72	60,902.64	17,983.66	912.34	4,756.69	5,360.90	30,523.46	4,660.84
.....	.....	2,433.45	519.36	583.81	2,389.11	7,252.84	633.96
.....	104,041.52	488.03	.....	.....	.....	5,836.73	.....
1,590.76	32,539.96	10,293.23	488.73	243.84	442.53	4,610.10	1,657.41
.....	.....	.....	.....	.....	.....	2,333.64	.....
.....	18,335.05	20,941.07	193.94	.....	.....	21,977.03	657.44
31,427.62	619,087.49	176,810.77	7,737.79	22,008.98	28,391.18	250,440.14	26,998.65
1,080.49	82,816.46	9,548.47	79.54	1,810.10	2,025.43	1,597.86	1,113.36
.....	.....	.....	1,500.00	3,500.00	6,000.00	.....	2,000.00
471.10	120,380.43	7,630.78	355.99	1,948.18	969.42	10,010.58	1,010.86
.....	40,926.89	4,658.66	.....	56.04	.....	1,765.53	130.00
.....	.....	.....	.....	.....	.....	5,472.00	.....
.....	179,556.72	52,493.89	812.12	7,747.64	8,661.91	77,585.34	5,602.89
.....	11,993.65	.....	.....	.....	.....	.....	.....
32,979.21	1,054,761.64	251,142.57	10,485.44	37,070.94	46,047.94	346,871.45	36,855.76
.....	.....	.....	.....	.....	.....	.....	.....
32,979.21	1,054,761.64	251,142.57	10,485.44	37,070.94	46,047.94	346,871.45	36,855.76
16,798.74	206,594.40	56,866.36	5,736.73	1,847.35	.....	73,249.03	4,755.46
75.00	36,244.91	.....	414.77	.....	.....	812.37	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	119,454.02	806.35	.....	.....	.....	.....	.....
16,873.74	362,293.33	57,672.71	6,151.50	1,847.35	.....	74,061.40	4,755.46
.....	179,556.72	52,493.89	812.12	7,747.64	8,661.91	77,585.34	5,602.89
7,081.17	102,647.62	24,939.83	971.00	6,318.69	6,010.67	70,413.15	2,736.70
.....	3,706.61	200.00	.....	.....	.....	.....	.....
7,081.17	285,910.95	77,633.72	1,783.12	14,066.33	14,672.58	147,998.49	8,339.59
2,627.67	92,664.60	14,670.22	1,825.67	6,152.65	7,745.53	32,750.97	4,957.75
.....	.....	.....	.....	.....	.....	5,472.00	.....
6,396.63	313,892.76	101,165.92	725.15	15,004.61	23,629.83	86,588.59	18,802.96
9,024.30	406,557.36	115,836.14	2,550.82	21,157.26	31,375.36	124,811.56	23,760.71
32,979.21	1,054,761.64	251,142.57	10,485.44	37,070.94	46,047.94	346,871.45	36,855.76
51.1	41.3	29.	63.5	6.1	0.	26.	15.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Welland	Wellesley P.V.	West Lorne	Weston	Wheatley
Population	9,664		805	4,136	717
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	29,567.19	.....	.....	7,721.81	.....
Substation equipment	50,846.29	.....	.....	31,822.27	.....
Distribution system, overhead	126,527.66	5,329.04	11,345.36	47,123.45	11,394.19
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	48,342.70	2,153.50	4,738.99	29,221.72	3,133.26
Meters	50,100.95	2,241.70	3,019.28	17,411.22	2,778.61
Street light equipment, regular	4,333.24	545.11	615.97	7,989.13	1,432.25
Street light equipment, ornamental	10,588.49	.....	.....	20,729.13	.....
Misc. construction expense	11,015.30	102.05	347.14	7,529.33	618.33
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	52 500.10	.....	1,250.00	.....	2,569.50
Total plant	383,821.92	10,371.40	21,316.74	169,548.06	21,926.14
Bank and cash balance	2,524.84	1,936.28	354.72	14,388.50	1,492.99
Securities and investments	4,192.85	.....	1,848.42	.....	.....
Accounts receivable	10,528.39	367.99	1,153.82	9,750.40	2,480.14
Inventories	2,817.01	.....	.....	469.22	.....
Sinking fund on local debentures	60,331.70	.....	.....	.....	.....
Equity in Hydro systems	77,312.60	5,874.14	10,153.52	67,738.47	2,389.72
Other assets	.....	.....	.....	463.44	.....
Total assets	541,529.31	18,549.81	34,827.22	262,358.09	28,288.99
Deficit	.....	.....	.....	.....	.....
Total	541,529.31	18,549.81	34,827.22	262,358.09	28,288.99
LIABILITIES					
Debenture balance	257,673.61	4,060.49	6,293.05	52,030.64	10,919.20
Accounts payable	547.93	463.87	2,305.97	5,000.00	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	15,748.49	.....	.....	463.44	.....
Total liabilities	273,970.03	4,524.36	8,599.02	57,494.08	10,919.20
RESERVES					
For equity in H.E.P.C. systems	77,312.60	5,874.14	10,153.52	67,738.47	2,389.72
For depreciation	86,136.99	1,157.00	3,711.12	25,867.70	1,331.00
Other reserves	.....	.....	.....	.....	.....
Total reserves	163,449.59	7,031.14	13,864.64	93,606.17	3,720.72
SURPLUS					
Debentures paid	17,326.39	3,439.51	1,706.95	18,001.80	2,080.80
Local sinking fund	60,331.70	.....	.....	.....	.....
Additional operating surplus	26,451.60	3,554.80	10,656.61	93,256.04	11,568.27
Total surplus	104,109.69	6,994.31	12,363.56	111,257.84	13,649.07
Total liabilities, reserves and surplus	541,529.31	18,549.81	34,827.22	262,358.09	28,288.99
Percentage of net debt to total assets	52.8	35.6	34.8	29.5	42.1

"A"—Continued

Hydro Municipalities as at December 31, 1928

Windsor 61,095	Woodbridge 700	Woodstock 10,106	Wyoming 499	York Twp. 48,982	E. York Twp. 23,610	N. York Twp 9,006
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
248,944.30	.....	29,075.01	.....	.....	16,642.85	5,224.36
544,794.43	.....	71,745.88	.....	.....	8,085.33	.....
709,916.71	11,974.51	87,973.94	6,835.20	581,182.85	224,012.24	203,279.39
.....	.....	.....	.....	.....	.....	.....
300,579.74	4,611.39	51,231.05	1,033.75	.....	44,302.76	34,873.98
306,811.49	3,799.22	48,175.41	2,077.38	.....	105,555.14	25,249.77
44,808.66	423.26	10,790.09	283.92	38,130.97	14,323.32	.....
543,037.12	.....	.....	.....	.....	955.29	.....
120,386.84	627.35	16,795.25	805.20	19,070.96	16,403.33	7,619.90
.....	.....	.....	.....	.....	.....	.....
147,895.11	.....	13,268.95	.....	.....	.....	.....
2,967,174.40	21,435.73	329,055.58	11,035.45	638,384.78	430,280.26	276,247.40
105,381.43	25.20	24,638.53	441.87	134,788.34	23,036.56	746.29
100,000.00	4,000.00	27,000.00	.....	.....	.....	.....
198,554.46	874.08	14,367.21	152.05	34,478.78	16,403.76	8,397.85
103,846.52	.....	1,491.40	.....	.....	6,150.92	107.52
109,195.30	.....	36,782.73	.....	.....	.....	.....
530,243.82	8,846.90	108,697.01	2,368.46	.....	35,188.52	11,332.29
2,841.45	.....	.....	.....	327.06	.....	3,418.49
4,117,237.38	35,181.91	542,032.46	13,997.83	807,978.96	511,060.02	300,249.84
.....	.....	.....	875.96	.....	.....	.....
4,117,237.38	35,181.91	542,032.46	14,873.79	807,978.96	511,060.02	300,249.84
1,698,340.76	6,354.08	81,237.95	4,986.03	513,146.84	325,221.55	147,817.64
65,578.48	871.26	.....	.....	12	12,438.82	74,871.73
.....	.....	.....	.....	.....	.....	.....
584,297.88	.....	3,972.10	.....	.....	13,217.26	3,407.02
2,348,217.12	7,225.34	85,210.05	4,986.03	513,146.96	350,877.63	226,096.39
530,243.82	8,846.90	108,697.01	2,368.46	.....	35,188.52	11,332.29
237,156.21	5,775.37	83,495.61	2,805.33	77,394.49	23,966.82	19,980.34
.....	.....	7,605.58	.....	.....	.....	.....
767,400.03	14,622.27	199,798.20	5,173.79	77,394.49	59,155.34	31,312.63
291,659.27	2,145.89	46,147.68	4,713.97	86,853.16	31,846.23	15,204.23
109,195.30	.....	36,782.73	.....	.....	.....	.....
600,765.66	11,188.41	174,093.80	.....	130,584.35	69,180.82	27,636.59
1,001,620.23	13,334.30	257,024.21	4,713.97	217,437.51	* 101,027.05	42,840.82
4,117,237.38	35,181.91	542,032.46	14,873.79	807,978.96	511,060.02	300,249.84
64.3	27.4	12.2	42.8	63.5	73.7	78.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Concluded			GEORGIAN BAY SYSTEM		
Municipality	Zurich P.V.	NIAGARA SYSTEM SUMMARY	Alliston	Arthur	Barrie
Population			1,336	1,018	7,175
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	6,265,025.52	.....	.....	14,198.21
Substation equipment	.....	15,903,478.90	675.73	.....	5,615.98
Distribution system, overhead	6,681.59	14,757,764.17	22,281.16	16,511.46	41,380.85
Distribution system, underground	.....	3,223,950.63	.....	.....	63,464.23
Line transformers	1,598.15	5,705,146.13	5,661.18	3,864.08	24,609.48
Meters	2,036.81	5,813,455.28	5,733.48	3,061.80	33,973.07
Street light equipment, regular	461.80	1,148,011.98	1,428.88	749.21	5,537.37
Street light equipment, ornamental	.....	1,097,988.62	.....	.....	6,516.82
Misc. construction expense	240.77	3,061,531.59	2,557.52	369.52	615.00
Steam or hydraulic plant	.....	27,779.82	.....	.....	.....
Old plant	150.00	4,326,940.78	8,146.49	1,086.62	41,358.61
Total plant	11,169.12	61,331,073.42	46,484.44	25,642.69	237,269.62
Bank and cash balance	582.34	1,060,992.44	3,463.07	28.61	43.44
Securities and investments	3,000.00	622,839.67	.....	.....	6,393.78
Accounts receivable	621.73	3,576,149.14	3,336.19	2,886.09	15,208.00
Inventories	.....	1,098,124.79	.....	.....	1,735.95
Sinking fund on local debentures	.....	5,921,095.65	.....	.....	.....
Equity in Hydro systems	4,053.55	11,506,287.91	4,879.78	5,643.04	33,195.50
Other assets	.....	140,603.67	.....	.....	.....
Total assets	19,426.74	85,257,166.69	58,163.48	34,200.43	293,846.29
Deficit	.....	7,871.91	.....	8,381.65	.....
Total	19,426.74	85,265,038.60	58,163.48	42,582.08	293,846.29
LIABILITIES					
Debenture balance	4,529.71	38,393,038.18	32,152.63	20,866.91	16,323.37
Accounts payable	.....	2,741,296.63	2,450.47	3,443.19	4,675.00
Bank overdraft	.....	233,068.52	.....	.....	960.94
Other liabilities	.....	1,245,478.03	.....	.....	.....
Total liabilities	4,529.71	42,612,881.36	34,603.10	24,310.10	21,959.31
RESERVES					
For equity in H.E.P.C. systems	4,053.55	11,506,287.91	4,879.78	5,643.04	33,195.50
For depreciation	2,598.42	9,397,666 71	9,823.13	8,495.85	44,635.87
Other reserves	.....	954,598.92	.....	.....	700.00
Total reserves	6,651.97	21,858,553.54	14,702.91	14,138.89	78,531.37
SURPLUS					
Debentures paid	1,061.90	6,459,856.30	7,847.37	4,133.09	70,676.63
Local sinking fund	.....	5,921,095.65	.....	.....	.....
Additional operating surplus	7,183.16	8,412,651.75	1,010.10	.....	122,678.98
Total surplus	8,245.06	20,793,603.70	8,857.47	4,133.09	193,355.61
Total liabilities, reserves and surplu	s19,426.74	85,265,038.60	58,163.48	42,582.08	293,846.29
Percentage of net debt to total assets	29.4	54.0	64.9	85.1	8.4

"A"—Continued

Hydro Municipalities as at December 31, 1928

Beaverton 984	Beeton 565	Bradford 958	Brechin P.V.	Canning-ton 890	Chats-worth 316	Chesley 1,722	Coldwater 606
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
299.50	.....	.....	.....	.....	221.00	.....	275.00
.....	428.50	388.50	.....	.....	.....	595.98	.....
20,987.77	11,343.52	17,753.00	1,679.67	8,970.35	4,367.74	18,663.39	7,370.97
.....	.....	.....	.....	.....	.....	.....	.....
6,033.48	1,990.34	2,555.82	1,031.71	2,782.75	980.51	4,761.82	2,628.26
5,586.25	1,672.74	3,090.42	576.02	3,870.30	1,108.23	6,291.18	2,489.17
942.99	1,149.64	544.95	168.69	623.30	500.43	1,097.93	399.16
.....	.....	.....	.....	.....	.....	.....	.....
2,445.56	1,389.69	1,828.94	546.92	587.33	385.90	3,595.86	145.03
.....	.....	.....	.....	.....	.....	.....	.....
3,772.42	.....	.....	.....	3,609.37	.....	5,503.60	.....
40,067.97	17,974.43	26,161.63	4,003.01	20,443.40	7,563.81	40,509.76	13,307.59
2,201.07	169.78	859.88	662.41	2,862.26	751.28	754.23	1,811.56
4,000.00	.....	.....	.....	2,326.62	.....	10,000.00	6,000.00
3,225.23	3,359.80	5,199.24	621.35	1,903.27	778.82	3,171.57	1,739.33
92.47	5.02	5.43	.....	313.59	.....	108.28	.....
.....	.....	.....	.....	.....	2,066.19	.....	.....
6,941.13	4,054.65	4,554.30	2,983.35	5,292.96	1,147.64	8,868.46	3,065.06
.....	.....	.....	.....	.....	.....	.....	.....
56,527.87	25,563.68	36,780.48	8,270.12	33,142.10	12,307.74	63,412.30	25,923.54
.....	3,528.73	229.89	.....	.....	.....	.....	.....
56,527.87	29,092.41	37,010.37	8,270.12	33,142.10	12,307.74	63,412.30	25,923.54
9,352.13	12,160.27	21,908.12	2,597.12	10,701.65	4,962.58	13,720.07	4,834.39
1,783.54	6,000.72	1,656.16	600.03	.....	191.24	.....	549.40
.....	.....	.....	.....	.....	.....	.....	.....
100.00	.....	.....	.....	.....	.....	.....	.....
11,235.67	18,160.99	23,564.28	3,197.15	10,701.65	5,153.82	13,720.07	5,383.79
6,941.13	4,054.65	4,554.30	2,983.35	5,292.96	1,147.64	8,868.46	3,065.06
7,459.59	4,037.04	5,599.91	1,197.06	5,241.07	1,749.26	9,728.15	5,195.51
.....	.....	.....	.....	.....	.....	.....	.....
14,400.72	8,091.69	10,154.21	4,180.41	10,534.03	2,896.90	18,596.61	8,260.57
5,647.87	2,839.73	3,291.88	613.80	4,298.35	437.42	13,779.93	2,165.61
.....	.....	.....	.....	.....	2,066.19	.....	.....
25,243.61	.....	.....	278.76	7,608.07	1,753.41	17,315.69	10,113.57
30,891.48	2,839.73	3,291.88	892.56	11,906.42	4,257.02	31,095.62	12,279.18
56,527.87	29,092.41	37,010.37	8,270.12	33,142.10	12,307.74	63,412.30	25,923.54
22.6	84.4	73.1	60.4	38.4	33.9	25.1	23.5

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Collingwood	Cookstown	Creemore	Dundalk	Durham
Population	5,728	P.V.	643	558	1,694
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	14,598.66	60.00	.....	.....	56.59
Substation equipment	11,203.24	392.95	.....	.....	584.88
Distribution system, overhead	43,068.09	8,766.38	5,749.10	6,679.52	18,137.51
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	13,647.06	1,873.77	1,860.22	2,220.58	6,169.50
Meters	20,504.90	1,524.74	2,453.66	2,433.58	4,975.72
Street light equipment, regular	2,813.56	514.21	272.07	776.85	1,210.77
Street light equipment, ornamental	.....	.....	.....	.....	.....
Misc. construction expense	7,958.40	1,499.15	185.41	483.19	1,077.32
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	473.20	.....	2,651.15	380.94	1,506.51
Total plant	114,267.11	14,631.20	13,171.61	12,974.66	33,718.80
Bank and cash balance	3,967.25	1,414.00	1,110.33	.....	.....
Securities and investments	40,000.00	.....	5,000.00	7,000.00	18,000.00
Accounts receivable	10,809.79	700.08	1,024.73	1,049.41	3,135.50
Inventories	724.35	.....	.....	34.66	158.32
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	46,089.23	1,230.60	3,466.51	3,109.87	8,939.12
Other assets	.....	.....	.....	.....	.....
Total assets	215,857.73	17,975.88	23,773.18	24,168.60	63,951.74
Deficit	.....	480.33	.....	.....	.....
Total	215,857.73	18,456.21	23,773.18	24,168.60	63,951.74
LIABILITIES					
Debenture balance	8,745.59	9,691.44	2,786.78	2,379.40	11,866.80
Accounts payable	4,873.33	3.83	68.65	.....	247.26
Bank overdraft	.....	.....	.....	359.76	927.94
Other liabilities	1,417.42	.....	.....	.....	.....
Total liabilities	15,036.34	9,695.27	2,855.43	2,739.16	13,052.00
RESERVES					
For equity in H.E.P.C. systems	46,089.23	1,230.60	3,466.51	3,109.87	8,939.12
For depreciation	33,301.53	3,721.78	3,125.98	3,242.49	7,883.53
Other reserves	.....	.....	.....	.....	.....
Total reserves	79,390.76	4,952.38	6,592.49	6,352.36	16,822.65
SURPLUS					
Debentures paid	33,859.00	3,808.56	3,713.22	3,957.50	13,933.20
Local Sinking Fund	.....	.....	.....	.....	.....
Additional operating surplus	87,571.63	.....	10,612.04	11,119.58	20,143.89
Total surplus	121,430.63	3,808.56	14,325.26	15,077.08	34,077.09
Total liabilities, reserves and surplus	215,857.73	18,456.21	23,773.18	24,168.60	63,951.74
Percentage of net debt to total assets	8.8	57.8	14.0	13.0	23.7

"A"—Continued

Hydro Municipalities as at December 31, 1928

Elmvale P.V.	Elmwood P.V.	Flesherton 412	Grand Valley 546	Graven-hurst 1,722	Hanover 2,700	Holstein P.V.	Huntsville 2,708
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
106.25	.....	.....	36.50	2,827.29	3,001.32	.....	353.52
2,273.07	.....	.....	.....	6,372.35	9,271.19	.....	647.30
7,568.93	4,780.39	4,995.09	9,689.28	17,838.78	47,168.77	2,067.53	12,648.16
.....	.....	.....	.....	.....	.....	.....	.....
3,135.04	803.88	697.98	1,374.97	3,926.93	15,395.61	555.22	4,928.31
2,686.45	820.76	1,400.88	2,203.80	6,799.19	14,015.89	452.12	7,395.00
388.77	302.28	411.70	468.72	805.55	2,326.30	168.69	2,240.20
.....	.....	.....	.....	.....	.....	.....	.....
510.13	1,093.62	887.26	205.70	1,633.15	6,861.77	205.93	284.92
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	919.85	26,976.29	2,370.91	.....	5,436.20
16,668.64	7,800.93	8,392.91	14,898.82	67,179.53	100,411.76	3,449.49	33,933.61
.....	976.48	2,457.05	3,458.38	8,694.56	8,519.84	.....	9,817.21
2,000.00	.....	.....	4,677.98	9,800.00	27,962.64	.....	.....
873.10	315.36	995.35	1,261.37	5,723.64	5,746.79	326.06	3,802.24
.....	.....	.....	.....	1,083.70	.....	54.81	1,833.22
.....	268.80	.....	.....	5,181.39	.....	.....	.....
5,218.04	849.83	1,747.11	3,221.35	4,925.96	24,549.28	1,038.48	15,594.28
.....	.....	.....	.....	.....	.....	.....	.....
24,759.78	10,211.40	13,592.42	27,517.90	102,588.78	167,190.31	4,868.84	64,980.56
.....	.....	.....	.....	.....	.....	4,813.28	.....
24,759.78	10,211.40	13,592.42	27,517.90	102,588.78	167,190.31	9,682.12	64,980.56
4,507.43	4,519.96	4,907.45	5,955.37	22,845.02	57,555.21	1,188.70	8,381.43
52.18	.....	202.02	959.03	1,421.24	2,789.90	5,117.77	100.10
34.66	.....	.....	.....	.....	.....	20.63	.....
.....	.....	.....	.....	.....	.....	.....	30.00
4,594.27	4,519.96	5,109.47	6,914.40	24,266.26	60,345.11	6,327.10	8,511.53
5,218.04	849.83	1,747.11	3,221.35	4,925.96	24,549.28	1,038.48	15,594.28
4,881.95	1,754.09	2,160.01	4,429.15	12,315.37	23,555.48	743.19	8,040.03
.....	.....	226.06	.....	.....	.....	.....	.....
10,099.99	2,603.92	4,133.18	7,650.50	17,241.33	48,104.76	1,781.67	23,634.31
2,492.57	2,680.04	1,792.55	5,044.63	41,123.42	29,944.79	1,573.35	12,752.11
.....	268.80	.....	.....	5,181.39	.....	.....	.....
7,572.95	138.68	2,557.22	7,908.37	14,776.38	28,795.65	.....	20,082.61
10,065.52	3,087.52	4,349.77	12,953.00	61,081.19	58,740.44	1,573.35	32,834.72
24,759.78	10,211.40	13,592.42	27,517.90	102,588.78	167,190.31	9,682.12	64,980.56
23.5	46.7	43.1	28.4	20.6	42.3	165.1	17.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Kincardine	Kirkfield P.V.	Lucknow	Markdale	Meaford
Population	2,189		1,026	871	2,715
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	4,594.68	.....	.....	.....	1,102.93
Substation equipment	2,794.20	.....	.....	780.80	2,484.99
Distribution system, overhead	36,842.32	5,041.33	15,242.14	8,668.25	27,973.20
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	6,648.91	428.20	2,709.92	2,997.21	6,549.06
Meters	8,070.96	463.15	3,885.47	2,806.61	6,735.72
Street light equipment, regular	3,791.43	379.00	1,260.59	1,064.92	2,692.05
Street light equipment, ornamental	.....	.....	.....	.....	.....
Misc. construction expense	5,384.28	301.53	2,217.76	640.79	2,519.71
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	.....	2,080.65	3,057.26
Total plant	68,126.78	6,613.21	25,315.88	19,039.23	53,114.92
Bank and cash balance	4,873.96	534.54	1,499.86	1,640.49	1,630.55
Securities and investments	.....	.....	2,000.00	2,500.00	16,062.87
Accounts receivable	4,701.06	514.17	2,164.91	856.13	3,369.41
Inventories	1,008.09	.....	.....	280.95	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	6,559.95	841.00	3,228.90	2,216.92	4,158.74
Other assets	.....	.....	.....	.....	431.22
Total assets	85,269.84	8,502.92	34,209.55	26,533.72	78,767.71
Deficit	.....	716.57	.....	.....	.....
Total	85,269.84	9,219.49	34,209.55	26,533.72	78,767.71
LIABILITIES					
Debenture balance	45,286.80	4,385.74	15,121.03	6,850.95	41,550.84
Accounts payable	1,933.86	1,241.30	65.92	615.48	951.75
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	20.00	411.25
Total liabilities	47,220.66	5,627.04	15,186.95	7,486.43	42,913.84
RESERVES					
For equity in H.E.P.C. systems	6,559.95	841.00	3,228.90	2,216.92	4,158.74
For depreciation	8,162.88	1,137.19	2,793.89	4,578.34	4,429.81
Other reserves	.....	.....	.....	.....	.....
Total reserves	14,722.83	1,978.19	6,022.79	6,795.26	8,588.55
SURPLUS					
Debentures paid	18,913.20	1,614.26	4,602.33	2,149.05	7,809.36
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	4,413.15	.....	8,397.48	10,102.98	19,455.96
Total surplus	23,326.35	1,614.26	12,999.81	12,252.03	27,265.32
Total liabilities, reserves and surplus	85,269.84	9,219.49	34,209.55	26,533.72	78,767.71
Percentage of net debt to total assets	59.9	73.4	49.0	30.7	57.5

"A"—Continued

Hydro Municipalities as at December 31, 1928

Midland 7,902	Mount Forest 1,829	Neustadt 449	Orangeville 2,669	Owen Sound 12,234	Paisley 720	Penetang-uishene 3,945
19,986.05	3,725.00	.....	2,585.07	29,378.31	.....	2,151.00
79,186.84	686.75	.....	1,169.00	11,999.17	1,839.78	2,696.63
90,828.57	20,456.67	9,900.71	27,173.26	95,609.49	10,745.63	39,329.95
.....	.....	.....	.....	.....	.....	.....
19,215.33	4,585.70	4,261.59	4,672.09	37,550.23	1,437.99	14,011.22
33,058.43	5,643.02	2,057.85	9,089.66	53,199.91	2,647.29	12,332.21
6,297.02	2,267.80	496.41	1,250.67	13,106.88	1,037.03	2,797.64
11,904.53	.....	.....	.....	12,069.46	.....	.....
8,167.48	2,274.40	1,495.88	6,006.09	3,739.50	668.75	2,206.25
.....	.....	.....	.....	33,282.00	.....	.....
14,315.62	3,958.97	1,097.60	3,204.99	.....	1,745.00	4,017.05
282,959.87	43,598.31	19,310.04	55,150.83	289,934.95	20,121.47	79,541.95
75.00	3,821.91	692.56	2,460.84	20,622.96	1,036.79	5,045.60
.....	4,000.00	.....	.....	1,610.87	3,000.00	6,294.58
47,408.47	6,400.64	309.65	7,068.81	20,269.78	1,684.51	4,331.31
5,594.60	70.00	.....	290.04	7,222.90	.....	836.29
.....	.....	.....	.....	43,827.58	.....	.....
65,891.85	8,140.93	3,007.60	9,068.80	43,824.82	1,878.80	21,502.01
.....	.....	.....	.....	8,257.89	.....	.....
401,929.79	66,031.79	23,319.85	74,039.32	435,571.75	27,721.57	117,551.74
.....	.....	8,607.83	.....	.....	.....	.....
401,929.79	66,031.79	31,927.68	74,039.32	435,571.75	27,721.57	117,551.74
55,936.44	16,512.95	11,201.51	18,617.22	50,000.00	13,439.03	24,281.15
10,417.34	.....	7,569.05	7,968.95	16,152.75	2,372.41	.....
6,738.89	.....	.....	.....	.....	.....	.....
342.22	.....	.....	.....	1,607.71	.....	.....
73,434.89	16,512.95	18,770.56	26,586.17	67,760.46	15,811.44	24,281.15
65,891.85	8,140.93	3,007.60	9,068.80	43,824.82	1,878.80	21,502.01
68,373.15	10,266.37	4,351.03	12,782.71	43,599.53	1,538.75	22,785.70
.....	.....	.....	762.43	8,257.89	.....	.....
134,265.00	18,407.30	7,358.63	22,613.94	95,682.24	3,417.55	44,287.71
56,133.55	14,445.65	5,798.49	17,282.78	91,000.00	2,560.97	16,718.85
.....	.....	.....	.....	43,827.58	.....	.....
138,096.35	16,665.89	.....	7,556.43	137,301.47	5,931.61	32,264.03
194,229.90	31,111.54	5,798.49	24,839.21	272,129.05	8,492.58	48,982.88
401,929.79	66,031.79	31,927.68	74,039.32	435,571.75	27,721.57	117,551.74
21.8	28.5	92.4	40.9	6.8	61.1	25.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Port McNicoll	Port Perry	Priceville P.V.	Ripley	Shelburne
Population	783	1,155		420	1,000
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	202.60	.....	68.00	.....	800.00
Substation equipment	.....	2,564.65	.....	.....	566.60
Distribution system, overhead	7,119.47	17,582.04	4,625.00	8,967.67	13,777.95
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,001.86	3,727.36	549.70	2,885.36	4,266.06
Meters	2,113.83	3,268.74	337.65	919.61	5,661.33
Street light equipment, regular	214.01	1,030.40	139.88	850.83	1,037.70
Street light equipment, ornamental	.....	.....	.....	.....	.....
Misc. construction expense	672.85	373.92	833.90	1,164.99	2,277.07
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	.....	.....	739.50
Total plant	11,324.62	28,547.11	6,554.13	14,788.46	29,126.21
Bank and cash balance	1,119.22	208.31	9.60	990.78	567.60
Securities and investments	.....	7,946.66	.....	.....	5,000.00
Accounts receivable	633.94	2,467.14	.....	1,126.88	1,801.55
Inventories	104.98	.....	.....	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	1,540.64	2,798.23	313.90	1,597.81	5,100.39
Other assets	.....	.....	.....	.....	.....
Total assets	14,723.40	41,967.45	6,877.63	18,503.93	41,595.75
Deficit	.....	.....	3,833.91	.....	.....
Total	14,723.40	41,967.45	10,711.54	18,503.93	41,595.75
LIABILITIES					
Debenture balance	4,228.63	18,298.98	4,748.95	12,094.06	10,304.12
Accounts payable	.....	55.40	2,512.64	.....	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	4,228.63	18,354.38	7,261.59	12,094.06	10,304.12
RESERVES					
For equity in H.E.P.C. systems	1,540.64	2,798.23	313.90	1,597.81	5,100.39
For depreciation	2,781.94	2,962.07	885.00	1,803.28	6,288.53
Other reserves	.....	.....	.....	.....	.....
Total reserves	4,322.58	5,760.30	1,198.90	3,401.09	11,388.92
SURPLUS					
Debentures paid	3,071.37	1,582.68	2,251.05	1,877.88	9,615.88
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	3,100.82	16,270.09	.....	1,130.90	10,286.83
Total surplus	6,172.19	17,852.77	2,251.05	3,008.78	19,902.71
Total liabilities, reserves and surplus	14,723.40	41,967.45	10,711.54	18,503.93	41,595.75
Percentage of net debt to total assets	32.0	46.8	110.6	71.5	28.2

"A"—Continued

Hydro Municipalities as at December 31, 1928

Stayner 951	Sunderland P.V. 	Tara 511	Teeswater 805	Thornton P.V. 	Tottenham 608	Uxbridge 1,404
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	.....	.....	.....
200.00	.....	.....	330.31	.....	358.50	2,657.65
10,695.91	3,832.79	10,570.87	14,678.49	6,406.51	7,972.78	12,366.08
.....	.....	.....	.....	.....	1,117.48	.....
3,910.23	1,569.15	1,734.39	3,040.01	860.41	.....	2,984.51
4,093.46	1,680.32	1,469.46	2,937.27	682.86	1,680.77	3,544.43
862.60	271.09	430.59	1,381.62	375.90	460.17	1,214.74
.....	.....	.....	.....	.....	.....	.....
321.33	142.22	1,243.96	1,733.50	300.35	1,265.68	843.50
.....	.....	.....	.....	.....	.....	.....
4,132.41	2,030.00	.....	4,976.86	.....	286.45	.....
24,215.94	9,525.57	15,449.27	29,078.06	8,626.03	13,141.83	23,610.91
1,247.88	1,230.34	1,962.56	.....	402.57	1,134.87	548.33
7,000.00	.....	.....	.....	.....	.....	8,000.00
1,011.35	691.45	.....	1,177.21	.....	234.24	2,456.80
16.95	.....	21.22	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,600.57	3,866.61	2,426.59	3,057.31	846.81	2,491.89	3,005.12
.....	.....	.....	.....	.....	.....	.....
38,092.69	15,313.97	19,859.64	33,312.58	9,875.41	17,002.83	37,621.16
.....	.....	6,126.34	838.12	5,078.37	3,951.05	.....
38,092.69	15,313.97	25,985.98	34,150.70	14,953.78	20,953.88	37,621.16
6,012.64	4,438.77	9,745.12	17,170.59	5,287.05	9,366.12	16,207.59
780.97	102.96	4,117.41	184.52	4,253.12	2,665.27	1,000.00
.....	.....	.....	618.99	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
6,793.61	4,541.73	13,862.53	17,974.10	9,540.17	12,031.39	17,207.59
4,600.57	3,866.61	2,426.59	3,057.31	846.81	2,491.89	3,005.12
5,826.64	2,597.46	3,941.98	2,289.88	2,353.85	2,829.62	2,180.24
.....	.....	.....	.....	.....	.....	.....
10,427.21	6,464.07	6,368.57	5,347.19	3,200.66	5,321.51	5,185.36
7,987.36	2,361.23	5,754.88	10,829.41	2,212.95	3,600.98	.....
.....	.....	.....	.....	.....	.....	.....
12,884.51	1,946.94	.....	.....	.....	.....	15,228.21
20,871.87	4,308.17	5,754.88	10,829.41	2,212.95	3,600.98	15,228.21
38,092.69	15,313.97	25,985.98	34,150.70	14,953.78	20,953.88	37,621.16
20.2	39.6	79.5	59.4	105.6	82.9	49.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality	Victoria Harbor	Waubaushene	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population	1,397	P.V.	2,316	415	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	8,423.66	.....	109,051.14
Substation equipment	.....	.....	4,699.84	.....	153,465.38
Distribution system, overhead	7,109.68	4,600.95	33,929.70	2,331.71	914,846.53
Distribution system, underground	.....	.....	.....	.....	64,581.71
Line transformers	1,090.25	1,054.81	12,558.45	1,306.79	261,095.29
Meters	2,134.36	1,564.91	10,830.61	1,750.06	319,779.30
Street light equipment, regular	319.62	221.79	3,243.12	127.31	74,465.03
Street light equipment, ornamental	.....	.....	.....	.....	30,490.81
Misc. construction expense	642.64	257.66	4,296.24	251.91	89,597.36
Steam or hydraulic plant	.....	.....	13,200.00	.....	46,482.00
Old plant	.....	.....	12,327.52	2,182.50	164,344.54
Total plant	11,296.55	7,700.12	103,509.14	7,950.28	2,228,199.09
Bank and cash balance	2,502.01	1,845.90	30.00	2,911.78	114,669.50
Securities and investments	.....	.....	6,000.00	4,000.00	216,576.00
Accounts receivable	814.09	829.45	7,504.56	587.37	197,607.19
Inventories	.....	.....	3,613.39	.....	25,209.21
Sinking fund on local debentures	.....	.....	.....	.....	51,343.96
Equity in Hydro systems	1,916.34	1,080.54	7,694.78	3,996.88	417,260.26
Other assets	.....	.....	.....	.....	8,689.11
Total assets	16,528.99	11,456.01	128,351.87	19,446.31	3,259,554.32
Deficit	.....	.....	.....	.....	46,586.07
Total	16,528.99	11,456.01	128,351.87	19,446.31	3,306,140.39
LIABILITIES					
Debenture balance	3,091.09	1,703.41	52,876.65	3,909.40	777,576.65
Accounts payable	.....	155.62	232.60	291.43	102,825.81
Bank overdraft	.....	.....	692.97	.....	10,364.78
Other liabilities	.....	.....	.....	.....	3,928.60
Total liabilities	3,091.09	1,859.03	53,802.22	4,200.83	894,695.84
RESERVES					
For equity in H.E.P.C. systems	1,916.34	1,080.54	7,694.78	3,996.88	417,260.26
For depreciation	3,169.24	1,723.60	12,709.07	1,620.70	453,079.47
Other reserves	.....	.....	.....	.....	9,946.38
Total reserves	5,085.58	2,804.14	20,403.85	5,617.58	880,286.11
SURPLUS					
Debentures paid	3,408.91	1,796.59	43,228.85	1,590.60	612,605.73
Local sinking fund	.....	.....	.....	.....	51,343.96
Additional operating surplus	4,943.41	4,996.25	10,916.95	8,037.30	867,208.75
Total surplus	8,352.32	6,792.84	54,145.80	9,627.90	1,531,158.44
Total liabilities, reserves and surplus	16,528.99	11,456.01	128,351.87	19,446.31	3,306,140.39
Percentage of net debt to total assets	21.1	17.9	44.5	27.1	30.2

"A"—Continued

Hydro Municipalities as at December 31, 1928

ST. LAWRENCE SYSTEM

Alexandria 2,267	Apple Hill P.V.	Brockville 9,133	Chesterville 1,036	Finch 361	Lancaster 588	Martintown P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
202.00	169.06	27,994.53	250.00	.....	.....	126.15
.....	.....	261.80	.....	.....	.....	.....
27,637.87	2,798.15	69,480.22	7,245.54	7,157.23	6,056.72	2,623.20
.....	.....	.....	.....	.....	.....	.....
8,273.39	1,165.70	25,791.55	2,766.82	1,263.85	962.35	690.33
6,325.82	798.30	35,300.02	3,394.73	1,353.23	1,318.55	625.95
2,201.26	398.97	16,974.76	496.35	335.50	650.65	335.26
.....	.....	.....	.....	.....	.....	.....
5,542.75	210.33	3,520.73	610.68	23.24	1,068.55	653.27
.....	.....	54,579.81	.....	.....	.....	.....
4,466.89	709.55	2,400.00	.....	.....	.....	.....
54,649.98	6,250.06	236,303.42	14,764.12	10,133.05	10,056.82	5,054.16
5,947.20	404.74	25,173.90	10,261.16	14.82	674.84	735.46
.....	.....	137,885.59	4,000.00	.....	.....	1,000.00
4,172.37	111.34	12,955.35	1,297.06	9.80	199.60	121.25
.....	.....	4,542.80	751.14	.....	.....	.....
.....	.....	96,721.36	.....	.....	.....	.....
7,961.85	739.91	41,546.75	9,715.75	212.96	1,703.52	414.00
.....	.....	.....	.....	.....	.....	.....
72,731.40	7,506.05	555,129.17	40,789.23	10,370.63	12,634.78	7,324.87
.....	.....	.....	.....	.....	9,422.69	.....
72,731.40	7,506.05	555,129.17	40,789.23	10,370.63	22,057.47	7,324.87
31,704.13	4,705.86	151,657.54	3,453.31	6,809.71	6,472.60	4,385.69
3,011.26	.....	855.63	977.46	2,582.96	9,082.23	.....
.....	.....	.....	.....	.....	.....	.....
435.25	.....	13.00	.....	.....	.....	3.16
35,150.64	4,705.86	152,526.17	4,430.77	9,392.67	15,554.83	4,388.85
7,961.85	739.91	41,546.75	9,715.75	212.96	1,703.52	414.00
5,914.51	713.62	38,956.00	5,382.74	.....	1,301.30	624.60
.....	.....	.....	.....	.....	.....	.....
13,876.36	1,453.53	80,502.75	15,098.49	212.96	3,004.82	1,038.60
16,429.71	1,294.14	75,000.00	3,046.69	190.29	3,497.82	1,614.31
.....	.....	96,721.36	.....	.....	.....	.....
7,274.69	52.52	150,378.89	18,213.28	574.71	.....	283.11
23,704.40	1,346.66	322,100.25	21,259.97	765.00	3,497.82	1,897.42
72,731.40	7,506.05	555,129.17	40,789.23	10,370.63	22,057.47	7,324.87
54.2	69.5	13.3	14.2	92.4	142.2	63.5

STATEMENT

Balance Sheets of Electrical Departments of

ST. LAWRENCE
SYSTEM—Concluded

Municipality	Maxville	Prescott	Russell P.V.	Williams-burg P.V.	Winchester
Population	782	2,709			1,068
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	2,761.54	.....	.....	299.85
Substation equipment	407.79	.....	.....	.....	.....
Distribution system, overhead	11,063.02	35,375.60	7,583.04	1,613.84	8,460.90
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,736.95	10,276.14	1,382.48	416.89	2,192.41
Meters	2,198.88	14,571.22	1,411.03	859.17	4,078.93
Street light equipment, regular	1,555.82	1,741.96	482.22	152.11	605.02
Street light equipment, ornamental	.....	.....	.....	.....	.....
Misc. construction expense	2,427.80	2,287.62	1,191.88	4.00	343.94
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	12,108.35	.....	.....	1,100.00
Total plant	19,390.26	79,122.43	12,050.65	3,046.01	17,081.05
Bank and cash balance	138.09	5,261.48	202.19	549.53	3,248.55
Securities and investments	.....	7,000.00	.....	1,500.00	8,000.00
Accounts receivable	12.59	2,677.87	670.50	182.20	1,417.88
Inventories	.....	.....	.....	.....	1,156.03
Sinking fund on local debentures	.....	5,609.79	.....	.....	.....
Equity in Hydro systems	2,198.06	10,142.52	887.27	988.29	5,055.93
Other assets	.....	.....	.....	.....	.....
Total assets	21,739.00	109,814.09	13,810.61	6,266.03	35,959.44
Deficit	505.25	.....	.....	.....	.....
Total	22,244.25	109,814.09	13,810.61	6,266.03	35,959.44
LIABILITIES					
Debenture balance	11,539.07	11,139.22	9,091.43	1,119.91	7,821.45
Accounts payable	1,972.80	.....	527.50	142.54	1,435.20
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	10.00	.....	.....	.....	.....
Total liabilities	13,521.87	11,139.22	9,618.93	1,262.45	9,256.65
RESERVES					
For equity in H.E.P.C. systems	2,198.06	10,142.52	887.27	988.29	5,055.93
For depreciation	2,063.39	22,817.50	433.00	1,232.40	4,865.41
Other reserves	.....	.....	.....	.....	.....
Total reserves	4,261.45	32,960.02	1,320.27	2,220.69	9,921.34
SURPLUS					
Debentures paid	4,460.93	12,840.12	908.57	1,630.09	2,828.55
Local sinking fund	.....	5,609.79	.....	.....	.....
Additional operating surplus	.....	47,264.94	1,962.84	1,152.80	13,952.90
Total surplus	4,460.93	65,714.85	2,871.41	2,782.89	16,781.45
Total liabilities, reserves and surplus	22,244.25	109,814.09	13,810.61	6,266.03	35,959.44
Percentage of net debt to total assets	69.1	5.8	74.4	23.9	29.9

"A"—Continued

Hydro Municipalities as at December 31, 1928

	RIDEAU SYSTEM					
ST. LAWRENCE SYSTEM SUMMARY	Carleton Place 4,228	Kemptville 1,163	Lanark 549	Perth 3,664	Smiths Falls 7,006	RIDEAU SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
31,803.13	6,255.32	.....	.....	6,600.50	20,128.85	32,984.67
669.59	2,471.63	.....	.....	3,492.82	4,845.66	10,810.11
187,095.33	32,237.25	17,749.31	5,475.86	37,839.51	79,252.35	172,554.28
.....	.....	.....	.....	.....	.....	.....
56,918.86	7,534.87	4,408.73	708.96	16,981.63	20,424.51	50,058.70
72,235.83	13,974.84	5,130.52	1,308.07	18,582.84	27,621.36	66,617.63
25,929.88	2,585.91	1,063.16	666.63	3,863.07	7,433.62	15,612.39
.....	.....	.....	.....	.....	.....	.....
17,884.79	8,815.54	5,865.58	321.60	4,902.07	6,932.99	26,837.78
54,579.81	.....	.....	.....	22,219.44	38,251.49	60,470.93
20,784.79	.....	.....	.....	2,674.25	21,566.48	24,240.73
467,902.01	73,875.36	34,217.30	8,481.12	117,156.13	226,457.31	460,187.22
52,611.96	696.37	4,809.76	.....	7,147.58	4,608.71	17,262.42
159,385.59	11,000.00	15,000.00	1,982.05	.....	32,000.00	59,982.05
23,827.81	4,502.78	3,675.53	779.19	6,368.73	7,155.27	22,481.50
6,449.97	835.67	400.00	.....	6,776.89	536.04	8,548.60
102,331.15	.....	.....	.....	.....	.....	.....
81,566.81	15,779.26	3,597.66	1,193.85	12,817.57	20,804.18	54,192.52
.....	.....	.....	.....	.....	.....	.....
894,075.30	106,689.44	61,700.25	12,436.21	150,266.90	291,561.51	622,654.31
9,927.94	.....	.....	.....	.....	.....	.....
904,003.24	106,689.44	61,700.25	12,436.21	150,266.90	291,561.51	622,654.31
249,899.92	54,401.07	21,870.24	5,507.79	63,649.61	124,558.96	269,987.67
20,587.58	56.96	1,758.82	.....	.....	5,070.24	6,886.02
.....	.....	.....	160.82	.....	.....	160.82
461.41	505.00	.....	.....	972.50	.....	1,477.50
270,948.91	54,963.03	23,629.06	5,668.61	64,622.11	129,629.20	278,512.01
81,566.81	15,779.26	3,597.66	1,193.85	12,817.57	20,804.18	54,192.52
84,304.47	6,867.22	3,472.80	906.67	22,184.69	45,551.43	78,982.81
.....	.....	.....	.....	.....	.....	.....
165,871.28	22,646.48	7,070.46	2,100.52	35,002.26	66,355.61	133,175.33
123,741.22	11,598.93	3,129.76	2,053.68	44,750.39	73,066.04	134,598.80
102,331.15	.....	.....	.....	.....	.....	.....
241,110.68	17,481.00	27,870.97	2,613.40	5,892.14	22,510.66	76,368.17
467,183.05	29,079.93	31,000.73	4,667.08	50,642.53	95,576.70	210,966.97
904,003.24	106,689.44	61,700.25	12,436.21	150,266.90	291,561.51	622,654.31
23.7	60.4	40.6	50.4	47.0	47.8	48.9

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY SYSTEM

Municipality Population	Fort William 22,518	Nipigon P.V.	Port Arthur 17,413	THUNDER BAY SYSTEM SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	48,927.62	.....	71,137.74	120,065.36
Substation equipment	115,281.03	.....	138,543.51	253,824.54
Distribution system, overhead	79,384.10	10,559.55	446,174.38	536,118.03
Distribution system, underground	.....	.....	.....	.....
Line transformers	13,457.25	1,285.28	44,747.14	59,489.67
Meters	8,433.04	1,530.66	74,042.48	84,006.18
Street light equipment, regular	1,156.82	465.14	41,911.58	43,533.54
Street light equipment, ornamental	.....	.....	.....	.....
Misc. construction expense	3,430.88	39.03	28,678.25	32,148.16
Steam or hydraulic plant	.....	.....	348,112.93	348,112.93
Old plant	417,650.00	.....	.....	417,650.00
Total plant	687,720.74	13,879.66	1,193,348.01	1,894,948.41
Bank and cash balance	3,199.40	1,207.37	19,151.14	23,557.91
Securities and investments	.....	.....	503,357.20	503,357.20
Accounts receivable	23,017.05	652.72	111,106.94	134,776.71
Inventories	.....	.....	34,293.34	34,293.34
Sinking fund on local debentures	126,296.68	.....	220,174.31	346,470.99
Equity in Hydro systems	59,089.34	316.17	207,370.25	266,775.76
Other assets	751.43	.....	867.18	1,618.61
Total assets	900,074.64	16,055.92	2,289,668.37	3,205,798.93
Deficit	2,992.16	.....	.....	2,992.16
Total	903,066.80	16,055.92	2,289,668.37	3,208,791.09
LIABILITIES				
Debenture balance	446,500.00	8,810.77	436,100.00	891,410.77
Accounts payable	21,260.13	185.33	93,863.05	115,308.51
Bank overdraft	.....	.....	.....	.....
Other liabilities	5,721.74	.....	.....	5,721.74
Total liabilities	473,481.87	8,996.10	529,963.05	1,012,441.02
RESERVES				
For equity in H.E.P.C. systems	59,089.34	316.17	207,370.25	266,775.76
For depreciation	22,202.70	968.00	253,434.91	276,605.61
Other reserves	846.21	.....	36,645.74	37,491.95
Total reserves	82,138.25	1,284.17	497,450.90	580,873.32
SURPLUS				
Debentures paid	221,150.00	1,189.23	200,000.00	422,339.23
Local sinking fund	126,296.68	.....	220,174.31	346,470.99
Additional operating surplus	.....	4,586.42	842,080.11	846,666.53
Total surplus	347,446.68	5,775.65	1,262,254.42	1,615,476.75
Total liabilities, reserves and surplus	903,066.80	16,055.92	2,289,668.37	3,208,791.09
Percentage of net debt to total assets	48.5	57.1	16.6	25.7

"A"—Continued

Hydro Municipalities as at December 31, 1928

OTTAWA SYSTEM			TRENT SYSTEM			
Ottawa	Richmond	OTTAWA SYSTEM SUMMARY	Bloomfield	Havelock	Kingston	Lakefield
119,254	368		600	1,069	21,633	1,343
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
189,106.66	.....	189,106.66	.....	.....	183,628.26	86.89
436,830.78	.....	436,830.78	410.00	572.90	.....	.....
588,411.55	5,681.09	594,092.64	8,684.48	19,542.96	122,591.43	20,610.39
166,455.32	.....	166,455.32	.....	.....	104,300.50	.....
235,953.84	769.40	236,723.24	859.96	2,054.41	49,578.50	4,125.73
232,286.57	887.26	233,173.83	2,386.73	5,062.93	86,312.85	6,023.17
76,044.58	155.14	76,199.72	707.80	1,811.18	13,321.69	1,798.73
29,978.05	.....	29,978.05	.....	.....	45,249.17	.....
34,221.05	612.67	34,833.72	1,403.42	4,553.33	49,396.82	3,344.64
.....	.....	.....	.....	.....	82,455.44	.....
.....	.....	.....	.....	2,420.45	41,289.53	3,445.25
1,989,288.40	8,105.56	1,997,393.96	14,452.39	36,018.16	778,124.19	39,434.80
3,530.12	291.37	3,821.49	3,648.59	336.56	18,634.67	4,280.80
153,000.00	.....	153,000.00	1,000.00	2,500.00	50,000.00	7,000.00
57,926.45	.....	57,926.45	885.54	2,788.16	20,139.85	2,391.95
27,931.02	.....	27,931.02	.....	.....	8,042.16	.....
446,736.36	.....	446,736.36	.....	.....	81,246.15	.....
.....	14.30	14.30	.....	.....	.....	.....
20.00	.....	20.00	.....	.....	2,107.24	.....
2,678,432.35	8,411.23	2,686,843.58	19,986.52	41,642.88	958,294.26	53,107.55
.....	.....	.....	.....	.....	.....	.....
2,678,432.35	8,411.23	2,686,843.58	19,986.52	41,642.88	958,294.26	53,107.55
953,374.17	6,500.00	959,874.17	9,005.26	24,365.76	226,834.91	29,591.70
60,180.05	1,700.94	61,880.99	412.37	1,227.94	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	50.00
1,013,554.22	8,200.94	1,021,755.16	9,417.63	25,593.70	226,834.91	29,641.70
.....	14.30	14.30	.....	.....	.....	.....
670,670.91	.....	670,670.91	2,615.50	3,464.76	75,211.51	5,399.14
65,587.94	.....	65,587.94	.....	.....	41,844.24	.....
736,258.85	14.30	736,273.15	2,615.50	3,464.76	117,055.75	5,399.14
26,625.83	.....	26,625.83	2,194.74	8,534.24	85,065.08	3,908.30
446,736.36	.....	446,736.36	.....	.....	81,246.15	.....
455,257.09	195.99	455,453.08	5,758.65	4,050.18	448,092.37	14,158.41
928,619.28	195.99	928,815.27	7,953.39	12,584.42	614,403.60	18,066.71
2,678,432.35	8,411.23	2,686,843.58	19,986.52	41,642.88	958,294.26	53,107.55
25.4	97.6	25.6	47.1	61.4	16.5	55.8

STATEMENT

Balance Sheets of Electrical Departments of

TRENT SYSTEM—Concluded

Municipality	Lindsay	Marmora	Norwood	Omemee	Peterboro'
Population	7,296	876	754	517	21,519
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	10,215.52	.....	.....	.....	75,202.75
Substation equipment	3,176.56	.....	457.53	360.32	86,021.62
Distribution system, overhead	62,780.23	12,435.81	22,806.14	10,353.71	155,415.52
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	15,178.19	1,893.38	3,664.69	2,488.39	80,117.36
Meters	28,345.58	3,070.33	4,537.95	2,369.06	80,605.76
Street light equipment, regular	9,582.57	1,088.59	1,848.52	456.68	63,296.55
Street light equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	1,319.64	2,000.91	3,960.11	1,540.92	54,065.27
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	573.62	2,447.51	.....	17,410.71
Total plant	130,598.29	21,062.64	39,722.45	17,569.08	612,135.54
Bank and cash balance	16,859.55	4,410.35	2,674.65	557.45	13,380.51
Securities and investments	.....	.....	2,000.00	.....	20,000.00
Accounts receivable	5,740.82	43.01	978.16	525.92	39,006.93
Inventories	708.43	.....	.....	.....	6,256.26
Sinking fund on local debentures	.....	.....	.....	.....	122,049.43
Equity in Hydro systems	.....	.....	.....	.....	.....
Other assets	.....	.....	236.41	.....	.....
Total assets	153,907.09	25,516.00	45,611.67	18,652.45	812,828.67
Deficit	.....	.....	.....	.....	.....
Total	153,907.09	25,516.00	45 611, 67	18,652.45	812,828.67
LIABILITIES					
Debenture balance	130,000.00	11,800.10	32,343.07	7,398.60	527,920.00
Accounts payable	4,573.60	403.84	137.37	25.00	16,188.38
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	943.50	10.00	197.95	.....	.....
Total liabilities	135,517.10	12,213.94	32,678.39	7,423.60	544,108.38
RESERVES					
For equity in H.E.P.C. systems	.....	.....	.....	.....	.....
For depreciation	2,565.00	2,212.17	4,783.13	3,845.58	60,448.74
Other reserves	.....	.....	.....	.....	7,500.20
Total reserves	2,565.00	2,212.17	4,783.13	3,845.58	67,948.94
SURPLUS					
Debentures paid	.....	5,866.01	4,756.93	4,601.40	.....
Local sinking fund	.....	.....	.....	.....	122,049.43
Additional operating surplus	15,824.99	5,223.88	3,393.22	2,781.87	78,721.92
Total surplus	15,824.99	11,089.89	8,150.15	7,383.27	200,771.35
Total liabilities, reserves and surplus	153,907.09	25,516.00	45,611.67	18,652.45	812,828.67
Percentage of net debt to total assets	88.0	47.8	71.6	39.7	61.1

"A"—Concluded

Hydro Municipalities as at December 31, 1928

Picton 3,288	Warkworth P.V.	Wellington 822	Whitby 3,422	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,405.07	.....	200.00	5,871.79	276,610.28	7,024,646.76
2,004.66	.....	615.00	13,488.32	107,106.91	16,866,186.21
30,439.87	5,220.58	13,208.00	41,490.58	525,579.70	17,688,050.68
.....	.....	.....	.....	104,300.50	3,559,288.16
8,729.55	322.11	2,999.21	8,231.27	180,242.75	6,549,674.64
13,819.77	1,207.80	4,326.11	12,466.81	250,534.85	6,839,802.90
4,131.66	299.74	924.82	3,625.17	102,893.70	1,486,646.24
.....	.....	.....	.....	45,249.17	1,203,706.65
3,444.16	624.19	717.28	5,422.83	131,793.52	3,394,626.92
.....	.....	.....	.....	82,455.44	619,880.93
3,105.28	3,618.02	2,477.92	1,340.13	78,128.42	5,032,089.26
67,080.02	11,292.44	25,468.34	91,936.90	1,884,895.24	70,264,599.35
3,214.54	404.05	1,049.63	.....	69,451.35	1,342,367.07
21,000.00	2,500.00	5,000.00	11,000.00	122,000.00	1,837,140.51
6,245.93	838.31	1,525.11	3,567.64	84,677.33	4,097,446.13
4,544.47	.....	.....	77.85	19,629.17	1,220,186.10
.....	.....	.....	.....	203,295.58	7,071,273.69
.....	.....	.....	.....	.....	12,326,097.56
.....	.....	.....	.....	2,343.65	153,275.04
102,084.96	15,034.80	33,043.08	106,582.39	2,386,292.32	98,312,385.45
.....	.....	.....	.....	.....	67,378.08
102,084.96	15,034.80	33,043.08	106,582.39	2,386,292.32	98,379,763.53
1,050.51	10,391.31	13,900.94	30,786.26	1,055,388.42	42,597,175.78
334.13	.....	24.69	2,521.39	25,848.71	3,074,634.25
.....	.....	.....	9,549.69	9,549.69	253,143.81
247.00	.....	.....	94.50	1,542.95	1,258,610.23
1,631.64	10,391.31	13,925.63	42,951.84	1,092,329.77	47,183,564.07
.....	.....	.....	.....	.....	12,326,097.56
7,151.40	699.67	4,125.21	6,963.89	179,485.70	11,140,795.68
288.00	.....	.....	.....	49,632.44	1,117,257.63
7,439.40	699.67	4,125.21	6,963.89	229,118.14	24,584,150.87
4,679.81	608.69	3,099.06	25,826.24	149,140.50	7,928,907.61
.....	.....	.....	.....	203,295.58	7,071,273.69
88,334.11	3,335.13	11,893.18	30,840.42	712,408.33	11,611,867.29
93,013.92	3,943.82	14,992.24	56,666.66	1,064,844.41	26,612,048.59
102,084.96	15,034.80	33,043.08	106,582.39	2,386,292.32	98,379,763.53
1.5	69.1	42.1	40.3	40.7	50.8

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt P.V.	Ailsa Craig	Alvinston	Amherstburg
Population	1,870		509	626	3,000
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,268.93	3,690.80	2,340.76	3,852.39	18,810.12
Commercial light	2,945.23	701.72	1,522.77	2,223.99	8,243.91
Commercial power	12,386.73	1,596.21	1,650.69	1,508.07	4,092.42
Municipal power	674.75	.....	.....	.....	.....
Street lighting	1,881.85	660.84	560.00	1,820.00	985.91
Merchandise	.....	.....	.....	6.47	.....
Miscellaneous	328.48	90.00	211.91	138.11	194.00
Total earnings	27,485.97	6,739.57	6,286.13	9,549.03	32,326.36
EXPENSES					
Power purchased	17,405.21	4,557.96	4,026.35	7,117.82	17,140.44
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,680.72	248.12	258.65	118.20	2,665.18
Line transformer maintenance	76.85	.....	.....	.....	136.25
Meter maintenance	54.54	.....	.....	.....	219.24
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	255.38	50.00	77.30	46.38	284.69
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	90.00	.....	1,698.59
General office, salaries and expenses	1,129.86	397.60	48.70	503.14	749.03
Undistributed expenses	536.53	.....	47.79	.....	407.39
Interest	173.27	403.68	146.99	1,010.22	1,521.23
Sinking fund and principal payments on debentures	508.97	413.44	208.89	1,161.97	998.47
Total expenses	21,821.33	6,070.80	4,904.67	9,957.73	25,820.51
Gross surplus	5,664.64	668.77	1,381.46	.....	6,505.85
Gross loss	.....	.....	.....	408.70	.....
Depreciation	1,080.00	390.00	414.00	527.00	1,372.00
Net surplus	4,584.64	278.77	967.46	.....	5,133 85
Net loss	.....	.....	.....	935.70	.....
NUMBER OF CONSUMERS					
Domestic service	460	130	145	150	604
Commercial light service	75	16	43	58	149
Power service	19	2	2	4	16
Total	554	148	190	212	769

*In process of annexation by Hamilton.

"B"

Hydro Municipalities for Year Ended December 31, 1928

Ancaster Twp. 4,213	Arkona 386	Aylmer 2,168	Ayr 796	Baden P.V.	Barton Twp.* 7,782	Beachville P.V.	Belle River 774
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,689.96	2,208.02	11,667.91	3,663.39	2,765.47	21,559.28	2,292.85	4,294.46
1,890.06	1,221.04	8,914.82	1,441.86	857.43	2,419.34	951.39	1,680.38
532.48	1,044.52	4,024.10	1,012.17	7,177.40	5,769.60	6,670.67	554.31
.....	.....	1,405.80	.....	.....	.....	.....	781.90
1,076.00	1,034.00	2,070.33	889.98	520.00	2,804.00	528.00	900.00
.....	.....	.....	.....	2.87	.....	27.15	.....
.....	.....	1,295.24	80.30	78.18	215.90	453.97	97.37
16,188.50	5,507.58	29,378.20	7,087.70	11,401.35	32,768.12	10,924.03	8,308.42
7,692.86	3,794.31	13,999.71	4,131.27	9,596.22	14,820.00	7,486.72	3,052.85
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,883.61	.....	2,548.83	379.23	.....	555.09	481.11	546.38
.....	150.78	109.99	.....	63.24	3.90	.....	.....
.....	.....	54.55	20.50	.....	208.53	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
164.46	45.90	125.45	85.32	36.46	135.74	76.85	102.62
.....	.....	.....	.....	.....	.....	.....	.....
.....	228.32	1,257.11	263.10	360.24	1,137.52	309.94	245.00
1,461.52	101.22	705.92	53.05	84.90	3,569.74	131.55	134.51
.....	.....	233.79	86.18	59.56	616.71	63.63	58.00
1,281.47	768.76	1,530.83	329.79	160.98	3,275.22	184.90	449.38
342.73	430.93	979.40	137.10	164.28	4,232.99	174.95	291.71
12,826.65	5,520.22	21,545.58	5,485.54	10,525.88	28,555.44	8,909.65	4,880.45
3,361.85	.....	7,832.62	1,602.16	875.47	4,212.68	2,014.38	3,427.97
.....	12.64	.....	.....	.....	.....	.....	.....
1,007.00	245.00	1,100.00	520.00	296.00	2,052.00	480.00	450.00
2,354.85	.....	6,732.62	1,082.16	579.47	2,160.68	1,534.38	2,977.97
.....	257.64	.....	.....	.....	.....	.....	.....
588	101	590	190	118	1,138	106	169
40	32	126	47	26	67	28	31
3	3	13	5	4	6	3	4
631	136	729	242	148	1,211	137	204

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Blenheim	Blyth	Bolton	Bothwell	Brampton
Population	1,547	624	600	630	4,897
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,101.05	2,785.77	2,888.39	2,702.07	29,050.77
Commercial light	4,695.59	1,348.57	1,107.38	1,527.34	12,697.33
Commercial power	4,267.58	1,079.84	2,870.54	851.33	13,111.66
Municipal power	1,078.06	.....	.....	180.29	2,338.64
Street lighting	2,400.50	1,485.00	816.60	1,337.68	4,449.00
Merchandise	.....	.....	.....	.....	.....
Miscellaneous	.....	225.78	107.74	386.83	1,388.33
Total earnings	19,542.78	6,924.96	7,790.65	6,985.54	63,035.73
EXPENSES					
Power purchased	12,842.19	3,913.13	4,324 30	3,928.14	49,852.71
Substation operation	.....	.....	.....	.....	53.13
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	965.05	124.92	24.10	210.38	1,862.94
Line transformer maintenance	10.00	.....	.....	.....	153.90
Meter maintenance	28.12	.....	7.25	.....	216.04
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	105.49	34.68	46.18	69.44	374.85
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	912.09	.....	.....	208.11	1,584.00
General office, salaries and expenses	834.64	403.01	592.54	107.30	2,627.80
Undistributed expenses	243.43	.....	71.28	102.92	479.35
Interest	680.57	995.93	455.13	236.03	1,723 63
Sinking fund and principal payments on debentures	356.32	758.63	416.56	127.26	3,351.58
Total expenses	16,977.90	6,230.30	5,937.34	4,989.58	62,279.93
Gross surplus	2,564.88	694.66	1,853.31	1,995.96	755.80
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,059.00	330.00	229.00	453.00	2,867.00
Net surplus	1,505.88	364.66	1,624.31	1,542 96	.....
Net loss	.....	.....	.....	.....	2,111.20
NUMBER OF CONSUMERS					
Domestic service	470	135	140	149	1,303
Commercial light service	117	45	45	51	224
Power service	13	4	9	6	53
Total	600	184	194	206	1,580

'B''—Continued

Hydro Municipalities for Year Ended December 31, 1928

Brantford 27,739	Brantford Twp. 7,163	Bridge-port* P.V.	Brigden P.V.	Brussels 771	Burford P.V.	Burgess-ville P.V.	Caledonia 1,460
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
147,310.28	16,577.40	2,332.23	2,102.21	4,290 32	3,530.91	1,220.46	3,522.74
33,111.47	3,711.40	567.89	1,764.16	2,157.68	969.27	516.38	3,775.46
110,390.60	3,876.03	2,347.09	1,739.75	506.81	1,883.82	1,177.30	3,308.04
28,507.34	.....	.....	.....	.....	.....	.....	.....
33,805.25	3,846.90	367.50	782.00	1,387.00	888.00	322.00	1,522.73
.....	8.93	.....	.65	.....	11.20	.....	.....
.....	581.60	.....	102.75	16.15	102.27	.....	.....
353,124.94	28,602.26	5,614.71	6,491.52	8,357.96	7,385.47	3,236.14	12,128.97
237,258.85	11,743.57	3,044.89	5,250.62	5,570.15	4,348.49	2,096.79	7,056.69
4,781.87	.....	.....	.....	.....	.....	.....	.....
479.66	.....	.....	.....	.....	.....	.....	.....
5,139.24	1,753.27	40.80	60.17	462.07	434.72	63.87	100.81
560.61	326.89	.....	.....	.....	.....	.....	1.95
456.55	56.42	15.63	.....	.....	.....	.....	24.24
309.63	.....	.....	.....	.....	.....	.....	.....
4,095.44	526.80	23.44	9.90	69.96	45.50	.....	106.43
1,472.52	.....	.....	.....	.....	.....	.....	.....
6,301.82	391.22	.....	369.12	.....	205.67	43.13	607.77
7,972.65	3,503.36	226.78	209.42	436.95	197.19	20.55	146.41
5,792.03	961.91	75.00	.....	.....	64.10	56.32	70.08
22,569.89	2,272.42	372.02	127.97	1,011.16	129.65	87.33	238.66
20,471.00	2,649.06	453.64	206.74	746.12	271.56	191.46	179.69
317,661.76	24,184.92	4,252.20	6,233.94	8,296.41	5,696.88	2,559.45	8,532.73
35,463.18	4,417.34	1,362.51	257.58	61.55	1,688.59	676.69	3,596.24
.....	.....	.....	.....	.....	.....	.....	.....
17,854.00	1,908.00	220.00	278.00	457.00	372.00	150.00	538.00
17,609.18	2,509.34	1,142.51	.....	.....	1,316.59	526.69	3,058.24
.....	.....	.....	20.42	395.45	.....	.....	.....
6075	698	90	102	176	177	50	222
694	40	14	40	57	35	20	81
105	5	3	5	1	4	2	10
6,874	743	107	147	234	216	72	313

*Nine months operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Campbellville	Cayuga	Chatham	Chippawa	Clifford
Population	P.V.	698	14,727	1,129	536
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,049.83	1,930.20	70,881.72	5,710.48	1,674.29
Commercial light	476.65	1,709.01	58,388.59	1,642.92	1,101.08
Commercial power	.....	1,124.38	72,659.24	221.24	116.52
Municipal power	.....	.....	3,861.08	2,920.74	.....
Street lighting	456.00	1,384.50	14,925.27	996.00	857.36
Merchandise	.....	.....	1,214.61	.....	.....
Miscellaneous	79.19	.....	3,710.22	8.62	78.36
Total earnings	2,061.67	6,148.09	225,640.73	11,500 00	3,827.61
EXPENSES					
Power purchased	1,263.53	3,864.00	126,769.43	7,030.35	2,406.46
Substation operation	.....	.....	6,438.31	.....	.....
Substation maintenance	.....	.....	1,374.48	.....	.....
Distribution system, operation and maintenance	20.67	96.34	5,135.10	1,026.89	15.52
Line transformer maintenance	.....	63.02	866.89	.....	.....
Meter maintenance	.....	5.22	1,061.84	12.75	.....
Consumers' premises expenses	.....	.....	81.70	.....	.....
Street lighting, operation and maintenance	.....	38.92	3,978.29	269.05	22.94
Promotion of business	.....	53.61	.....	.....	.....
Billing and collecting	.....	567.22	6,654.46	438.76	.....
General office, salaries and expenses	172.92	52.96	14,167.85	214.00	323.17
Undistributed expenses	.....	71.05	5,371.92	212.37	57.57
Interest	296.04	1,001.29	12,649.00	665.31	410.77
Sinking fund and principal payments on debentures	192.19	673.53	8,273.39	545.46	139.68
Total expenses	1,945.35	6,487.16	192,822.66	10,414.94	3,376.11
Gross surplus	116.32	.....	32,818.07	1,085.06	451.50
Gross loss	.....	339.07	.....	.....	.....
Depreciation	84.00	452.00	10,652.00	631.00	187.00
Net surplus	32.32	.....	22,166.07	454.06	264.50
Net loss	.....	791.07	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	37	75	3,688	263	81
Commercial light service	8	47	701	28	38
Power service	.....	3	126	4	1
Total	45	125	4,515	295	120

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Clinton 1,981	Comber P.V.	Cottam P.V.	Courtright 396	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 593
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10,297.50	2,405.69	2,168.52	1,834.90	1,431.09	1,003.22	2,594.03	2,632.70
4,656.59	2,034.87	1,453.47	1,117.34	985.95	777.39	937.37	1,818.75
4,309.22	3,743.81	543.06	.....	1,526.67	.....	621.17	1,595.92
877.94	.....	.....	.....	.....	.....	.....	.....
1,938.49	648.00	440.00	850.00	574.00	247.00	501.09	840.00
110.94	.....	.....	.....	.....	.....	.....	.....
572.98	.....	.....	58.60	32.15	48.84	146.29	378.33
22,763.66	8,832.37	4,605.05	3,860.84	4,549.86	2,076.45	4,799.95	7,265.70
14,865.80	7,084.03	2,001.50	2,600.94	3,000.89	918.83	2,453.65	4,766.04
100.00	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
344.79	306.59	65.36	102.35	268.34	56.70	38.43	285.00
65.40	.....	2.74	.....	.....	.....	.....	.....
78.54	.....	.....	.....	.....	.....	13.00	17.80
.....	.....	.....	.....	.....	.....	.....	.....
223.08	36.29	5.40	111.14	26.52	.....	33.32	25.81
.....	.....	.....	.....	.....	.....	.....	.....
.....	387.00	.....	.....	.....	.....	144.84	.....
2,682.27	63.90	360.13	194.45	126.29	129.82	31.50	115.65
159.59	70.16	.....	.....	.....	.....	50.00	63.07
2,263.10	176.76	488.97	398.36	149.38	146.67	163.63	478.12
1,305.66	364.95	272.32	443.46	84.56	113.54	116.20	215.11
22,088.23	8,489.68	3,196.42	3,850.70	3,655.98	1,365.56	3,044.57	5,966.60
675.43	342.69	1,408.63	10.14	893.88	710.89	1,755.38	1,299.10
.....	.....	.....	.....	.....	.....	.....	.....
1,544.00	336.00	261.00	162.00	145.00	127.00	329.00	405.00
.....	6.69	1,147.63	.....	748.88	583.89	1,426.38	894.10
868.57	.....	.....	151.86	.....	.....	.....	.....
497	96	90	67	61	48	127	156
124	48	25	22	25	17	31	56
14	2	2	.....	1	.....	2	5
635	146	117	89	87	65	160	217

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Dresden	Drumbo P.V.	Dublin P.V.	Dundas	Dunnville
Population	1,396			5,005	3,387
EARNINGS					
Domestic service	4,824.37	1,780.54	1,049.90	17,987.58	9,476.55
Commercial light	4,331.23	730.12	798.40	10,219.07	11,127.26
Commercial power	5,167.95	842.60	1,530.47	21,673.82	11,183.90
Municipal power	419.33	.....	.....	470.85	2,608.02
Street lighting	1,806.78	570.00	774.00	3,909.65	4,154.08
Merchandise	20.29	.....	.....	360.04	.....
Miscellaneous	249.50	64.65	3.88	791.16	492.49
Total earnings	16,819.45	3,987.91	4,156.65	55,412.17	39,042.30
EXPENSES					
Power purchased	12,228.39	2,315.89	2,742.76	36,892.86	19,961.85
Substation operation	.....	.....	.....	229.46	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,429.91	355.44	93.44	5,439.55	1,422.36
Line transformer maintenance	.....	.....	.....	116.87	.....
Meter maintenance	.....	.....	17.29	573.85	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	108.91	83	63.01	701.19	254.01
Promotion of business	.....	.....	.....	.....	177.54
Billing and collecting	259.76	239.47	.....	1,033.25	.....
General office, salaries and expenses	834.70	9.15	229.06	1,902.09	2,890.44
Undistributed expenses	.....	58.62	.....	1,759.08	230.05
Interest	304.52	165.01	206.85	2,281.09	3,723.52
Sinking fund and principal payments on debentures	1,036.11	127.72	335.94	1,182.59	1,874.66
Total expenses	16,202.30	3,272.13	3,688.35	52,111 88	30,534.43
Gross surplus	617.15	715.78	468.30	3,300.29	8,507.87
Gross loss	.....	.....	.....	.....	.....
Depreciation	766.00	210.00	201.00	3,075.00	2,358.00
Net surplus	.....	505.78	267.30	225.29	6,149.87
Net loss	148.85	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	353	85	37	1,171	531
Commercial light service	124	22	24	173	185
Power service	15	2	4	44	28
Total	492	109	65	1,388	744

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Dutton	Elmira	Elora	Embro	Erieau	Erie Beach	Essex	Etobicoke Twp.
800	2,572	1,170	443	226	27	1,809	14,315
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,059.47	15,013.80	5,568.46	2,552.71	3,029.56	1,083.86	8,370.34	74,314.28
2,356.95	7,001.58	3,589.81	1,338.97	1,002.73	262.06	6,280.40	21,276.30
2,873.09	15,139.71	9,017.60	1,581.04	80.95	.....	5,615.82	9,662.44
.....	924.50	.....	.....	.....	.....	1,243.07	1,487.20
942.75	1,796.00	1,602.59	756.00	420.00	.....	1,508.25	12,704.82
17.04	.....	.....	.....	.....	.....	.....	.....
347.33	198.65	100.11	.....	.....	2.33	292.48	.....
9,596.63	40,074.24	19,878.57	6,228.72	4,533.24	1,348.25	23,310.36	119,445.04
6,501.56	28,486.34	12,838.96	3,642.70	2,571.97	705.41	9,261.09	53,370.56
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
38.55	1,436.53	1,709.33	139.48	182.13	19.90	37.05	7,505.05
.....	2.57	.....	.....	.....	.....	43.57	1,081.86
25.35	94.75	77.62	.....	.....	.....	20.09	446.26
.....	.....	.....	.....	.....	.....	.....	.....
165.42	121.81	106.46	42.69	84.15	.....	29.49	1,686.28
.....	94.61	.....	.....	.....	.....	.....	55.15
671.75	1,225.21	.....	160.00	53.24	.....	195.99	5,317.21
233.25	762.31	1,303.23	29.47	38.85	203.45	3,030.45	4,135.64
71.79	617.38	105.36	31.50	54.00	.....	346.26	4,833.37
393.10	1,040.46	405.04	365.00	370.23	192.89	1,183.92	11,576.05
254.53	807.36	569.89	324.95	242.88	95.08	364.75	8,707.43
8,355.30	34,689.33	17,115.89	4,735.79	3,597.45	1,216.73	14,512.66	98,714.86
1,241.33	5,384.91	2,762.68	1,492.93	935.79	131.52	8,797.70	20,730.18
.....	.....	.....	.....	.....	.....	.....	.....
176.00	1,553.00	826.00	370.00	205.00	60.00	1,101.00	9,104.00
1,065.33	3,831.91	1,936.68	1,122.93	730.79	71.52	7,696.70	11,626.18
.....	.....	.....	.....	.....	.....	.....	.....
200	494	281	97	118	55	404	3,326
69	118	75	43	9	2	116	325
7	20	3	2	1	.....	18	20
276	632	359	142	128	57	538	3,671

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Exeter	Fergus	Fonthill	Ford City	Forest
Population	1,590	2,184	708	13,105	1,443
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,551.38	11,085.50	3,965.13	78,452.96	9,858.99
Commercial light	4,182.82	5,583.78	753.05	21,708.21	4,743.05
Commercial power	6,033.75	6,872.68	126.77	69,047.52	3,574.52
Municipal power	529.96	418.24	269.05	.....	804.28
Street lighting	1,881.24	2,560.34	720.00	7,362.42	2,253.00
Merchandise	51.26	.....	.....	.....	729.15
Miscellaneous	324.11	83.46	2.22	.....	676.16
Total earnings	22,554.52	26,604.00	5,836.22	176,571.11	22,639.15
EXPENSES					
Power purchased	13,355.11	14,602.32	3,112.79	111,670.21	11,456.75
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	527.94	2,607.76	354.13	9,283.36	714.23
Line transformer maintenance	3.00	73.52	.....	.....	.....
Meter maintenance	39.77	75.29	13.30	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	318.48	254.65	48.03	1,980.58	375.80
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	328.82	595.71	505.80	.....	721.66
General office, salaries and expenses	2,717.05	710.15	195.00	9,849.29	2,889.19
Undistributed expenses	747.70	511.78	.....	.....	450.63
Interest	666.50	1,999.13	1,161.22	7,291.24	935.39
Sinking fund and principal payments on debentures	752.55	2,146.90	605.13	5,083.54	1,516.88
Total expenses	19,456.92	23,577.21	5,995.40	145,158.22	19,060.53
Gross surplus	3,097.60	3,026.79	.....	31,412.89	3,578.62
Gross loss	.....	.....	159.18	.....	.....
Depreciation	1,046.00	1,134.00	378.00	5,823.00	1,144.00
Net surplus	2,051.60	1,892.79	.....	25,589.89	2,434.62
Net loss	.....	.....	537.18	.....	.....
NUMBER OF CONSUMERS					
Domestic service	427	524	203	2,882	431
Commercial light service	111	109	20	288	122
Power service	11	14	4	37	23
Total	549	647	227	3,207	576

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Galt 12,576	George-town 1,970	Glencoe 782	Goderich 4,242	Granton P.V.	Guelph 19,007	Hagers-ville 1,227	Hamilton 123,359
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
102,358.16	10,454.45	4,785.53	22,104.85	1,430.60	84,210.34	3,885.43	665,475.43
45,643.16	5,283.40	3,163.54	10,502.07	957.04	48,776.76	3,865.38	148,218.82
81,047.62	17,498.97	2,514.78	18,186.12	1,239.79	98,829.72	30,096.60	697,882.05
5,230.07	960.45	.....	3,190.68	.....	21,340.74	.....	67,951.10
20,904.02	2,272.09	1,874.00	3,728.50	350.00	16,944.23	1,200.00	90,643.33
1,122.28	75.17	6.95	449.47	.....	540.13	317.31	7,281.63
3,551.18	1,032.16	91.38	349.54	82.13	3,471.72	294.46	12,691.52
259,856.49	37,576.69	12,436.18	58,511.23	4,059.56	274,113.64	39,659.18	1,690,143.88
160,013.04	25,038.24	8,028.90	40,508.89	2,643.02	191,184.01	28,624.64	1,155,207.64
4,798.43	.....	.....	3,279.86	.....	.....	.....	27,614.29
394.26	.....	.....	.....	.....	2,059.52	.....	3,226.10
3,210.99	1,398.10	487.07	1,272.65	15.64	4,980.88	1,366.89	27,428.05
59.83	.....	.....	72.91	.....	1,893.88	117.85	3,218.94
1,354.57	140.02	.....	80.81	.....	3,039.89	100.59	11,751.62
.....	.....	.....	.....	.....	.....	.....	7,895.72
2,538.80	314.23	289.42	481.13	13.45	5,254.48	135.53	12,643.43
597.62	.....	.....	.....	.....	465.89	.....	8,358.31
2,422.88	.....	679.76	534.36	87.65	4,311.94	1,201.62	30,971.02
3,051.23	2,994.14	494.55	2,364.31	43.07	10,038.53	610.01	44,983.08
5,428.96	734.82	117.33	827.51	54.20	2,782.62	510.14	15,184.47
24,795.42	881.02	755.31	1,989.94	165.20	2,676.51	257.93	123,607.36
17,328.22	571.96	750.95	2,557.96	89.07	5,672.39	292.87	108,086.33
225,994.25	32,072.53	11,603.29	53,970.33	3,111 30	234,360.54	33,218.07	1,580,176.36
33,862.24	5,504.16	832.89	4,540.90	948.26	39,753.10	6,441.11	109,967.52
.....	.....	.....	.....	.....	.....	.....	.....
16,455.08	1,522.00	696.00	1,445.00	177.00	11,249.00	794.00	54,801.19
17,407.16	3,982.16	136.89	3,095.90	771.26	28,504.10	5,647.11	55,166.33
.....	.....	.....	.....	.....	.....	.....	.....
3,326	600	210	1,100	75	4,763	266	28,892
497	131	70	203	31	676	99	3,105
121	27	5	19	1	125	13	790
3,944	758	285	1,322	107	5,564	378	32,787

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harriston	Harrow P.V.	Hensall	Hespeler	Highgate
Population	1,237		732	2,815	398
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,701.57	6,088.47	3,542.24	15,474.86	1,550.19
Commercial light	3,211.84	3,664.98	1,465.56	5,127.05	1,057.66
Commercial power	5,268.36	2,226.23	2,823.14	14,562.72	3,094.83
Municipal power	564.65	.....	.....	688.39	.....
Street lighting	1,330.00	756.03	875.63	2,300.00	550.00
Merchandise	.....	.....	.....	.....	3.75
Miscellaneous	83.07	.....	266.71	398.18	114.74
Total earnings	15,159.49	12,735.71	8,973.28	38,551.20	6,371.17
EXPENSES					
Power purchased	10,146.66	7,053 41	4,957.62	26,649.87	4,134.70
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	669.12	.....
Distribution system, operation and maintenance	1,129.50	1,001.91	546.62	2,417.92	194.77
Line transformer maintenance	50.40	15.15	.....	107.19	.....
Meter maintenance	72.96	12.90	.....	14.35	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	70.36	9.90	142.14	207.00	38.64
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	338.74	.....	330.00
General office, salaries and expenses	645.13	459.63	351.90	1,841.57	123.51
Undistributed expenses	209.27	.....	41.00	857.85	79.98
Interest	644.74	538.01	526.97	1,376.72	202.03
Sinking fund and principal payments on debentures	1,032.81	388.51	335.46	2,317.84	128.73
Total expenses	14,001 83	9,479.42	7,240.45	36,459.43	5,232.36
Gross surplus	1,157.66	3,256.29	1,732.83	2,091.77	1,138.81
Gross loss	.....	.....	.....	.....	.....
Depreciation	706.00	493.00	521.00	1,918.00	278.00
Net surplus	451.66	2,763.29	1,211.83	173.77	860.81
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	298	198	160	670	93
Commercial service	97	67	58	105	33
Power service	12	4	12	19	6
Total	407	269	230	794	132

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Humberstone 1,766	Ingersoll 4,997	Jarvis 468	Kingsville 2,346	Kitchener 25,856	Lambeth P.V.	La Salle 647	Leamington 5,011
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,065.78	31,239.35	1,434.33	12,902.45	158,947 57	3,025 70	7,904.70	20,771 80
3,287 35	15,081.78	1,247.13	7,066.19	93,380.36	877.86	3,261.26	12,748.20
5,766.22	26,001 66	4,123.53	3,649.12	215,673.63	.....	2,342.16	6,364.07
.....	1,684.88	.....	1,036.44	26,837.29	314.14	.....	2,246.02
1,272.00	4,568.08	784.00	4,096.00	31,861.64	439.00	1,088.04	6,699.80
.....	617.16	.....	.....	1,815.92	.....	.....	.....
30.26	1,690.46	.....	1,496.80	3,067.44	16.50	.....	815.63
19,421.61	80,883.37	7,588.99	30,247.00	531,583 85	4,673.20	14,596.16	49,645.52
8,204.63	53,936.74	5,247.68	13,402.22	366,329.79	3,373.54	6,831.37	24,948.13
.....	.....	.....	.....	8,352.24	.....	.....	.....
.....	312.73	.....	.....	4,105.07	.....	.....	.....
901.79	3,124.96	20.57	3,203.30	14,340.72	70.69	1,381.45	4,391.44
.....	275.66	.....	38.13	665.34	.....	12.55	56.61
27.94	447.90	.....	51.51	3,987.97	.....	92.79	56.11
.....	.....	.....	.....	987.94	.....	.....	.....
215.44	1,102.61	5.40	533.47	7,113 65	29.69	94.82	576.47
.....	.....	.....	.....	785.00	.....	.....	.....
.....	1,036.47	399.06	1,133.04	8,597.34	.....	.....	304.70
614.11	2,897.75	80.85	516.35	9,849.53	192.35	873.81	3,096.23
50.00	1,517.02	56.85	618.35	5,569.55	.....	.....	1,577.85
1,695.00	3,345.10	473.81	2,048.69	16,062.16	182.64	791.06	2,630.75
1,700 00	1,677.35	373.06	504.68	18,996.53	107.96	473.44	1,554 11
13,408.91	69,674.29	6,657.28	22,049.74	465,742.83	3,956.87	10,551.29	39,192.40
6,012.70	11,209.08	931.71	8,197.26	65,841.02	716.33	4,044.87	10,453.12
.....	.....	.....	.....	.....	.....	.....	.....
780.00	3,550.00	299.00	1,366.00	22,581.00	242.00	517.00	2,299.00
5,232.70	7,659.08	632.71	6,831.26	43,260.02	474.33	3,527 87	8,154.12
.....	.....	.....	.....	.....	.....	.....	.....
395	1,309	78	682	6,101	96	152	1,196
61	252	37	149	866	16	24	236
8	46	4	16	230	1	2	23
464	1,607	119	847	7,197	113	178	1,455

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Listowel	London	London Twp.	Lucan	Lynden P.V.
Population	2,448	64,293	7,431	574	
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	13,640 73	407,173.65	7,585.12	4,343.57	1,541.66
Commercial light	7,593.55	194,574.65	717.23	1,348.43	763.24
Commercial power	8,610 77	411,532.26	1,036.01	2,217.36	891.33
Municipal power	1,400.56	31,051.88	.....	.....	.....
Street lighting	3,177.95	44,236.64	612.00	1,027.85	374.18
Merchandise	.....	.....	.....	.....	.....
Miscellaneous	414 48	30,917.69	127.35	356.52	138.59
Total earnings	34,838 04	1,119,486.77	10,077.71	9,293.73	3,709.00
EXPENSES					
Power purchased	22,508.28	602,703.70	5,712 73	5,127 25	3,184 22
Substation operation	.....	14,929.28	.....	.....	.....
Substation maintenance	62 06	9,409.45	.....	.....	.....
Distribution system, operation and maintenance	2,683 21	5,280.45	426.24	960.00	69.99
Line transformer maintenance	13.05	2,236.28	.....	.....	.....
Meter maintenance	208.02	16,931.67	.....	.....	.....
Consumers' premises expenses	.....	2,396.40	.....	.....	.....
Street lighting, operation and maintenance	309.63	4,833.36	91.60	64.14	39.83
Promotion of business	.....	4,560.94	.....	.....	.....
Billing and collecting	.....	18,589.91	319.55	197.99	150.00
General office, salaries and expenses	1,413.65	36,392.43	316.21	243.82	13.84
Undistributed expenses	537.05	14,842.02	.....	81.51	4.00
Interest	1,109.20	65,450.29	889.26	326.00	192.80
Sinking fund and principal payments on debentures	2,788.41	53,298.19	729.06	492.45	117.98
	31,632.56	851,854.37	8,484.65	7,493.16	3,772.66
Gross surplus	3,205.48	267,632.40	1,593.06	1,800.57	.....
Gross loss	.....	.....	.....	.....	63.66
Depreciation	1,849.00	71,629.90	472.00	475.00	77.00
Net surplus	1,356.48	196,002.50	1,121.06	1,325.57	.....
Net loss	.....	.....	.....	.....	140.66
NUMBER OF CONSUMERS					
Domestic service	659	16,319	283	167	75
Commercial light service	155	2,377	11	41	21
Power service	22	517	3	9	1
Total	836	19,213	297	217	97

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Markham 956	Merlin P.V.	Merritton 2,520	Milton 1,875	Milverton 947	Mimico 5,491	Mitchell 1,640	Moorefield P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,766.95	1,799.61	11,170.10	9,709.79	4,253.99	47,531.39	8,220.86	726.24
2,449.04	1,392.52	1,825.32	4,660.79	2,399.21	8,074.71	4,355.51	744.78
3,104.80	3,808.84	13,534.19	31,154.06	15,896.59	6,340.26	5,779.11	1,388.05
187.51	.....	.....	.....	328.18	3,554.44	819.86	.....
1,430.00	688.00	2,565.00	2,170.10	990.00	5,706.13	1,944.00	375.00
.....	.....	.....	.....	.....	.....	871.03	.....
165.41	270.00	.....	1,049.60	414.56	1,118.57	186.81	57.41
12,103.71	7,958.97	29,094.61	48,744.34	24,282.53	72,325.50	22,177.18	3,291.48
6,083.97	6,005.34	21,863.83	32,909.68	18,161.48	40,066.24	13,389.26	2,387.33
.....	.....	.....	15.70	.....	.....	.....	.....
.....	.....	.....	.....	.....	21.63	241.05	.....
1,363.67	121.63	2,890.49	2,339.56	322.24	6,669.46	945.42	16.92
.....	.....	.....	36.69	.....	10.36	.....	.....
.....	.....	9.75	90.47	68.68	65.15	87.51	2.10
.....	.....	.....	.....	.....	.....	.....	.....
52.84	35.50	282.56	179.85	120.44	807.86	278.40	46.63
.....	.....	.....	188.97	.....	47.15	.....	.....
.....	300.00	.....	175.18	.....	1,408.37	.....	.....
944.82	24.65	1,914.98	2,071.92	795.89	1,677.53	2,010.96	161.30
.....	57.11	204.13	1,109.50	121.28	2,672.51	421.64	.....
301.22	651.35	707.21	2,394.24	299.39	4,909.53	141.24	165.67
608.83	502.00	1,433.59	1,257.50	518.08	3,691.76	538.10	219.77
9,355.35	7,697.58	29,306.54	42,769.26	20,407.48	62,047.55	18,053.58	2,999.72
2,748.36	261.39	.....	5,975.08	3,875.05	10,277.95	4,123.60	291.76
.....	.....	211.93	.....	.....	.....	.....	.....
490.00	284.00	1,310.00	1,422.00	569.00	3,923.00	1,055.00	151.00
2,258.36	.....	.....	4,553.08	3,306.05	6,354.95	3,068.60	140.76
.....	22.61	1,521.93	.....	.....	.....	.....	.....
237	96	605	440	208	1,524	433	48
63	38	55	92	21	120	117	27
10	4	4	21	9	14	27	2
310	138	664	553	238	1,658	577	77

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Mount Brydges P.V.	Newbury	New Hamburg	New Toronto	Niagara Falls
Population		285	1,394	5,023	18,492
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,334.76	983.20	8,272.96	24,945.18	138,085.08
Commercial light	811.39	448.86	3,977.56	7,834.23	54,356.83
Commercial power	1,054.35	674.10	7,421.51	104,551.04	63,532.37
Municipal power	.....	.....	.....	10,811.16	15,291.08
Street lighting	440.00	690.00	2,198.25	6,786.68	30,709.00
Merchandise	.....	.....	265.96	.....	.....
Miscellaneous	313.73	48.95	367.94	2,181.04	37.50
Total earnings	4,954.23	2,845.11	22,504.18	157,109.33	302,011.86
EXPENSES					
Power purchased	2,805.58	1,804.35	15,822.97	122,483.98	158,588.18
Substation operation	.....	.....	.....	.....	7,110.04
Substation maintenance	.....	.....	373.88	.....	.....
Distribution system, operation and maintenance	.....	19.45	511.77	4,860.40	6,735.63
Line transformer maintenance	68.62	.....	70.33	356.36	918.57
Meter maintenance	.....	.....	125.58	626.39	3,791.76
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	11.58	22.44	260.53	1,166.25	4,607.78
Promotion of business	.....	.....	.....	515.57	107.97
Billing and collecting	102.37	.....	743.66	2,913.14	5,053.97
General office, salaries and expenses	231.66	217.25	728.17	3,122.47	9,731.61
Undistributed expenses	68.00	.....	600.35	3,614.42	7,455.33
Interest	173.51	426.00	746.58	281.99	22,005.54
Sinking fund and principal payments on debentures	116.85	400.00	620.97	238.41	22,111.17
Total expenses	3,578.17	2,889.49	20,604.79	140,179.38	248,217.55
Gross surplus	1,376.06	.....	1,899.39	16,929.95	53,794.31
Grossl oss	.....	44.38	.....	.....	.....
Depreciation	262.00	216.00	1,092.00	3,568.00	18,695.00
Net surplus	1,114.06	.....	807.39	13,361.95	35,099.31
Net loss	.....	260.38	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	120	58	327	1,127	4,270
Commercial light service	30	22	95	119	682
Power service	3	1	12	23	88
Total	153	81	434	1,269	5,040

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Niagara-on-the-Lake 1,605	Norwich 1,297	Oil Springs 428	Otterville P.V.	Palmerston 1.708	Paris 4,130	Parkhill 964	Petrolia 2,583
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11,555.29	6,961.06	1,438.88	1,797.68	8,791.63	21,772.70	4,395.98	10,838.80
2,908.44	2,976.15	1,018.43	1,490.49	4,725.54	6,469.37	2,809.07	6,756.06
454.27	1,692.59	9,975.53	858.49	6,254.80	12,921.18	1,046.03	22,683.61
1,677.07	773.04	.....	65.60	1,123.61	1,225.00	558.08	5,382.60
2,410.34	1,920.00	738.00	372.00	1,423.92	6,310.50	1,418.50	2,532.60
.....	831.32	.....	.....	.....	81.18	.....	161.18
.....	568.58	153.49	.....	230.93	932.01	17.75	537.66
19,005.41	15,722.74	13,324.33	4,584.26	22,550.43	49,711.94	10,245.41	48,892.51
10,426.79	8,645.40	9,120.66	2,600.63	15,556.84	31,930.87	6,920.91	34,102.71
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	143.54	.....	.....
2,081.08	1,202.26	898.20	163.36	1,479.67	4,949.75	268.70	1,973.93
.....	.....	.....	.....	.....	769.00	.....	120.12
57.36	86.62	.....	.....	113.05	647.13	.....	21.58
.....	.....	.....	.....	.....	.....	.....	.....
389.73	124.07	.....	14.40	244.03	928.40	59.02	369.21
66.97	.....	185.19	.....	.....	.....	.....	.....
.....	669.70	110.64	102.59	.....	589.25	.....	759.50
1,728.62	717.97	979.64	130.04	679.52	1,046.95	444.35	3,754.10
.....	837.76	793.11	56.35	317.66	561.79	50.00	832.71
964.82	451.89	649.45	71.11	522.13	1,986.38	648.08	2,023.25
1,657.93	442.95	843.05	246.15	701.37	1,461.19	551.04	1,692.71
17,373.30	13,178.62	13,579.94	3,384.63	19,614.27	45,014.25	8,942.10	45,649.82
1,632.11	2,544.12	.....	1,199.63	2,936.16	4,697.69	1,303.31	3,242.69
.....	.....	255.61	.....	.....	.....	.....	.....
949.00	629.00	592.00	285.00	927.00	1,682.00	585.00	2,326.00
683.11	1,915.12	.....	914.63	2,009.16	3,015.69	718.31	916.69
.....	.....	847.61	.....	.....	.....	.....	.....
406	335	65	101	380	1,085	215	640
70	87	34	39	97	195	76	184
7	9	36	5	8	21	5	68
483	431	135	145	485	1,301	296	892

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Plattsville P.V.	Point Edward 1,400	Port Colborne 5,374	Port Credit 1,350	Port Dalhousie 1,554
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,724.90	5,401.70	26,977.15	10,357.07	10,472.50
Commercial light	883.13	1,710.64	12,485.34	4,791.92	2,152.64
Commercial power	314.45	10,127.09	9,017.67	819.42	4,130.33
Municipal power	.....	119.09	2,499.21	821.23	.....
Street lighting	543.65	696.00	5,076.48	2,581.00	1,369.16
Merchandise	.....	.....	288.77	.....	.....
Miscellaneous	.....	264.64	457.96	.....	.....
Total earnings	3,466.13	18,319.16	56,802.58	19,370.64	18,124.63
EXPENSES					
Power purchased	2,552.92	9,149.85	31,541.52	12,120.61	9,532.36
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	93.42	168.39	1,666.86	955.98	1,893.53
Line transformer maintenance	.....	12.10	152.90	.....	.....
Meter maintenance	.....	10.95	738.55	.....	148.84
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	49.33	18.55	705.68	271.84	70.87
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	184.60	.....	1,297.31	362.00	.....
General office, salaries and expenses	25.45	744.88	3,579.07	539.99	1,605.37
Undistributed expenses	56.22	213.80	1,516.32	.....	247.34
Interest	187.92	775.44	5,615.71	294.10	683.99
Sinking fund and principal payments on debentures	148.62	706.68	4,618.64	234.71	1,028.77
Total expenses	3,298.48	11,800.64	51,432.56	14,779.23	15,211.07
Gross surplus	167.65	6,518.52	5,370.02	4,591.41	2,913.56
Gross loss	.....	.....	.....	.....	.....
Depreciation	77.00	761.00	2,928.00	1,021.00	706.00
Net surplus	90.65	5,757.52	2,442.02	3,570.41	2,207.56
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	82	276	1,149	368	553
Commercial light service	25	44	193	75	46
Power service	2	14	18	5	11
Total	109	334	1,360	448	610

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Port Dover 1,544	Port Rowan 696	Port Stanley 690	Preston 5,622	Princeton P.V.	Queenston P.V.	Richmond Hill 1,197	Ridgetown 1,942
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,151.74	1,589.60	8,998.02	43,991.14	2,079.25	2,563.19	6,135.68	9,256.54
4,893.27	1,620.51	3,081.47	22,062.75	647.18	198.92	2,918.17	4,776.85
4,281.70	.....	4,230.09	47,301.92	96.80	884.86	1,988.48	5,014.61
.....	.....	449.48	858.52	.....	.....	381.79	875.99
2,366.46	1,122.00	2,008.00	5,050.00	384.00	543.96	1,341.00	2,391.45
.....	.....	.....	47.65	.....	.....	.....	78.53
.....	.....	294.28	159.55	.....	.....	9.88	727.52
17,693.17	4,332.11	19,061.34	119,471.53	3,207.23	4,190.93	12,775.00	23,121.49
8,764.15	4,677.57	10,464.03	80,591.23	1,754.54	2,431.41	6,717.99	14,012.41
.....	.....	.....	4,300.07	.....	.....	.....	.....
.....	.....	.....	144.88	.....	.....	.....	.....
892.08	6.00	1,896.71	4,810.85	44.73	133.70	1,488.47	1,430.61
.....	.....	7.66	183.28	.....	.....	24.00	144.46
.....	.....	38.08	1,437.56	.....	.....	49.40	87.03
.....	.....	.....	.....	.....	.....	.....	.....
179.22	26.28	154.59	351.19	61.28	18.02	54.35	317.28
63.70	.....	.....	.....	.....	.....	.....	.....
375.46	221.28	707.22	1,744.38	144.00	.....	.....	624.75
79.46	41.55	532.28	800.39	10.45	396.67	660.11	1,128.89
232.61	60.00	337.08	1,544.78	.....	.....	.....	232.64
1,175.96	913.33	590.17	3,393.29	113.71	469.32	414.22	495.56
1,631.77	299.03	642.80	5,105.98	100.75	308.51	520.54	267.26
13,394.41	6,245.04	15,370.62	104,407.88	2,229.46	3,757.63	9,929.08	18,740.89
4,298.76	.....	3,690.72	15,063.65	977.77	433.30	2,845.92	4,380.60
.....	1,912.93	.....	.....	.....	.....	.....	.....
962.00	256.00	903.00	6,231.00	162.00	245.00	424.00	1,132.00
3,336.76	.....	2,787.72	8,832.65	815.77	188.30	2,421.92	3,248.60
.....	2,168.93	.....	.....	.....	.....	.....	.....
339	69	563	1,476	81	61	308	531
128	32	73	227	18	6	58	130
15	.....	12	46	1	2	12	21
482	101	648	1,749	100	69	378	682

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Riverside	Rockwood P.V.	Rodney	St. Catharines	St. Clair Beach
Population	3,909		760	22,376	122
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	46,267.55	2,368.16	2,669.51	124,048.65	1,715.73
Commercial light	6,380.63	798.73	2,125.72	27,848.27	2,302.94
Commercial power	11,075.07	935.53	1,515.50	73,900.45	584.87
Municipal power	.....	.....	.....	.....	.....
Street lighting	3,426.45	830.04	848.70	22,837.67	.....
Merchandise	.....	.....	.....	388.02	.....
Miscellaneous	.....	90.62	352.27	4,334.77	.....
Total earnings	67,149.70	5,023.08	7,511.70	253,357.83	4,603.54
EXPENSES					
Power purchased	33,441.45	3,300.83	4,553.77	158,130.87	2,385.00
Substation operation	.....	.....	.....	3,832.57	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	5,360.46	84.22	532.41	13,871.47	552.93
Line transformer maintenance	.....	.....	18.30	1,456.61	.....
Meter maintenance	.....	10.40	30.30	932.65	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	1,023.90	51.34	104.20	3,243.61	.....
Promotion of business	.....	.....	.....	1,279.42	.....
Billing and collecting	.....	.....	448.60	5,990.70	.....
General office, salaries and expenses	4,392.65	484.92	92.74	11,847.30	166.95
Undistributed expenses	.....	.....	52.75	7,330.59	.....
Interest	4,380.84	.....	375.13	8,493.13	270.22
Sinking fund and principal payments on debentures	2,812.63	.....	211.46	7,873.83	237.95
Total expenses	51,411.93	3,931.71	6,419.66	224,282.75	3,613.05
Gross surplus	15,737.77	1,091.37	1,092.04	29,075.08	990.49
Gross loss	.....	.....	.....	.....	.....
Depreciation	2,850.00	330.00	377.00	12,806.00	226.00
Net surplus	12,887.77	761.37	715.04	16,269.08	764.49
Net loss	.....	.....	.....	.....	.....
NUMBERS OF CONSUMERS					
Domestic service	1,033	130	196	5,550	39
Commercial light service	59	33	68	555	9
Power service	9	1	4	132	2
Total	1,101	164	268	6,237	50

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

St. George P.V.	St. Jacobs P.V.	St. Marys 4,007	St. Thomas 16,586	Sandwich 9,407	Sarnia 16,066	Scarboro' Twp. 15,276	Seaforth 1,751
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,252.16	2,648.82	23,690.15	86,945.73	104,647.25	93,853.51	69,391.16	8,395.34
822.30	1,096.47	8,549.64	43,104.78	20,069.40	45,443.81	16,113.11	4,952.39
2,078.52	3,107.22	19,254.45	54,852.33	27,949.77	144,533.00	23,038.41	6,580.31
.....	.....	1,581.61	6,195.30	.....	.....	6,941.21	669.46
294.00	516.00	3,397.00	14,061.96	8,318.15	12,698.46	10,574.56	1,520.00
.....	.....	662.24	.....	396.98	1,353.87	.....	145.41
217.68	139.90	527.56	2,644.42	.....	2,618.14	710.15	1,042.50
5,664.66	7,508.41	57,662.65	207,804.52	161,381.55	300,500.79	126,768.60	23,305.41
4,751.79	5,355.53	41,105.16	132,670.04	99,128.08	183,892.28	62,634.78	14,523.96
.....	.....	1,389.30	6,328.26	.....	6,007.33	.....	.....
.....	.....	21.05	565.52	.....	304.51	.....	.....
27.61	9.83	804.82	6,367.73	1,863.95	4,787.87	5,353.59	1,602.75
.....	.....	73.29	395.91	298.94	499.83	667.54	22.96
62.63	19.89	1,088.72	1,680.16	305.76	512.21	300.47	73.22
.....	.....	.....	858.97	.....	.....	.....	.....
40.00	48.49	367.60	2,744.15	1,690.64	2,977.14	1,345.78	547.55
.....	.....	.....	308.65	.....	.....	.....	.....
412.91	.....	1,278.04	4,537.41	4,402.96	4,756.27	4,788.49	.....
25.25	316.96	2,292.28	12,872.86	5,474.99	8,653.14	5,046.54	1,246 04
106.00	64.12	1,455.07	4,716.15	2,325.54	9,404.63	4,145.54	374.30
246.95	208.74	2,776.45	2,854.79	6,700.88	13,809.01	10,688.97	1,338.00
166.14	293.95	2,127.68	4,170.21	4,865.12	15,343.89	7,338.36	445.75
5,839.28	6,317.51	54,779.46	181,070.81	127,056.86	250,948.11	102,310.06	20,174.53
.....	1,190.90	2,883.19	26,733.71	34,324.69	49,552.68	24,458.54	3,130.88
174.62	.....	.....	.....	.....	.....	.....	.....
287.00	260.00	1,414.00	11,391.00	4,220.00	14,996.00	7,489.64	1,500.00
.....	930.90	1,469.19	15,342.71	30,104.69	34,556.68	16,968.90	1,630.88
461.62	.....	.....	.....	.....	.....	.....	.....
125	97	986	4,041	2,701	4,324	3,415	454
32	27	193	639	204	585	252	122
4	6	46	104	27	82	30	14
161	130	1,225	4,784	2,932	4,991	3,697	590

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Simcoe	Springfield	Stamford Twp.	Stouffville	Stratford
Population	4,491	394	6,490	1,080	18,058
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	11,756.22	2,090.79	41,778.74	5,139.95	139,585.51
Commercial light	15,936.44	730.26	5,018.73	2,563.25	44,028.34
Commercial power	10,938.34	3,654.73	3,943.12	1,402.83	49,330.93
Municipal power	1,144.61	.....	1,218.02	.....	8,278.37
Street lighting	3,602.53	611.00	5,750.00	1,482.50	15,338.27
Merchandise	238.61	.....	285.98	.....	3,403.74
Miscellaneous	195.24	18.61	1,047.24	261.84	11,649.48
Total earnings	43,811.99	7,105.39	59,041.83	10,850.37	271,614.64
EXPENSES					
Power purchased	26,766.89	4,226.24	25,892.17	4,799.29	178,912.36
Substation operation	.....	.....	.....	.....	4,965.53
Substation maintenance	842.06	.....	718.66	.....	959.92
Distribution system, operation and maintenance	3,072.42	125.05	1,185.68	635.57	6,654.12
Line transformer maintenance	379.88	.....	60.54	.....	365.33
Meter maintenance	336.14	.....	361.04	.....	1,376.66
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	702.40	59.05	1,096.10	44.88	1,854.55
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	1,475.89	302.70	1,455.81	.....	3,952.94
General office, salaries and expenses	1,304.79	77.67	4,045.25	492.35	6,635.68
Undistributed expenses	781.43	50.00	2,273.15	.....	3,708.51
Interest	3,014.61	247.50	6,852.09	802.97	21,775.00
Sinking fund and principal payments on debentures	1,985.41	129.04	4,624.90	1,157.51	10,022.36
Total expenses	40,661.92	5,217.25	48,565.39	7,932.57	241,182.96
Gross surplus	3,150.07	1,888.14	10,476.44	2,917.80	30,431.68
Gross loss	.....	.....	.....	.....	.....
Depreciation	2,234.00	268.00	4,000.00	383.00	15,901.00
Net surplus	916.07	1,620.14	6,476.44	2,534.80	14,530.68
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	778	93	1,298	271	4,180
Commercial light service	250	32	91	74	580
Power service	32	4	13	5	135
Total	1,060	129	1,402	350	4,895

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Strathroy 2,605	Sutton 747	Tavistock 993	Tecumseh 1,951	Thamesford P.V.	Thamesville 817	Thedford 558	Thorndale P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
15,522.06	5,871.10	6,128.61	13,677.37	2,143.55	3,809.48	2,315.69	1,684.65
8,597.66	2,966.48	1,785.71	3,669.30	1,704.28	3,027.24	1,479.95	916.12
9,306.44	819.10	8,349.78	3,601.64	3,459.67	2,042.13	809.04	1,263.62
1,637.80	.....	490.51	.....	.....	263.17	.....	.....
3,376.00	1,981.60	1,209.57	1,231.00	552.00	1,053.00	1,088.00	372.00
.....	.....	.....	.....	.....	.....	.....	3.00
1,068.87	.....	469.52	.....	374.00	578.77	229.95	12.41
39,508.83	11,638.28	18,433.70	22,179.31	8,233.50	10,773.79	5,922.63	4,251.80
22,594.43	5,888.45	14,167.61	9,803.42	4,973.04	6,587.18	3,353.07	2,789.07
47.39	.....	.....	.....	.....	.....	.....	.....
16.16	.....	.....	.....	.....	.....	.....	.....
588.32	940.08	578.50	2,465.08	38.80	245.08	184.00	33.38
210.61	.....	.....	.....	.....	.....	.....	.....
766.32	.....	47.94	.....	69.45	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
608.05	59.29	115.22	291.17	36.94	125.07	1.67	33.15
417.56	.....	.....	.....	.....	.....	.....	.....
1,222.31	.....	395.14	.....	175.00	247.51	.....	.....
3,171.46	458.62	185.55	1,620.22	65.22	255.24	237.00	155.20
391.51	.....	88.00	.....	66.13	82.37	.....	.....
1,310.21	1,247.34	235.85	1,680.63	143.52	385.23	802.28	95.06
1,566.52	1,030.33	154.45	958.63	158.52	444.72	636.27	67.57
32,910.85	9,624.11	15,968.26	16,819.15	5,726.62	8,372.40	5,214.29	3,173.43
6,597.98	2,014.17	2,465.44	5,360.16	2,506.88	2,401.39	708.34	1,078.37
.....	.....	.....	.....	.....	.....	.....	.....
2,624.00	623.00	535.00	1,043.00	356.00	604.00	276.00	180.00
3,973.98	1,391.17	1,930.44	4,317.16	2,150.88	1,797.39	432.34	898.37
.....	.....	.....	.....	.....	.....	.....	.....
757	332	239	416	112	181	123	64
171	63	72	46	31	93	40	24
26	3	6	3	8	7	3	1
954	398	317	465	151	281	166	89

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thorold	Tilbury	Tillsonburg	Toronto	Toronto Twp.
Population	4,957	1,996	3,238	556,691	8,082
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	19,174.28	6,222.79	13,165.10	2,849,767.79	45,207.56
Commercial light	6,561.93	6,759.29	11,672.36	2,583,593.76	11,872.63
Commercial power	12,318.05	12,943.77	12,678.13	3,012,353.94	5,313.77
Municipal power	2,937.45	378.59	392.55	1,436,459.24	.....
Street lighting	3,820.00	1,140.81	3,100.50	483,373.28	4,104.87
Merchandise	.....	.....	554.31	.....	.....
Miscellaneous	.....	980.45	1,495.14	237,951.75	.....
Total earnings	44,811.71	28,425.70	43,058.09	10,603,499.76	66,498.83
EXPENSES					
Power purchased	23,589.34	18,236.14	22,957.04	5,215,185.44	27,877.65
Substation operation	2,587.55	.....	1,094.40	213,573.55	.....
Substation maintenance	.....	.....	.....	194,392.25	.....
Distribution system, operation and maintenance	2,310.23	1,620.80	1,158.48	265,483.10	4,261.57
Line transformer maintenance	54.10	328.67	57.82	54,504.47	117.11
Meter maintenance	2.33	81.96	40.26	100,418.23	172.60
Consumers' premises expenses	.....	.....	.....	257,818.75	.....
Street lighting, operation and maintenance	308.03	91.64	109.13	140,535.82	543.81
Promotion of business	.....	.....	52.00	214,755.11	.40
Billing and collecting	.....	602.92	1,069.88	324,401.66	2,903.77
General office, salaries and expenses	2,073.66	334.80	3,205.89	308,975.69	4,290.59
Undistributed expenses	764.34	162.78	905.85	*239,584.33	2,739.25
Interest	115.99	577.12	803.14	1,244,386.42	3,752.27
Sinking fund and principal payments on debentures	507.64	504.78	1,224.86	906,906.65	3,240.06
Total expenses	32,313.21	22,541.61	32,678.75	9,680,921.47	49,899.08
Gross surplus	12,498.50	5,884.09	10,379.34	922,578.29	16,599.75
Gross loss	.....	.....	.....	.....	.....
Depreciation	2,364.00	762.00	2,420.00	610,890.07	5,860.00
Net surplus	10,134.50	5,122.09	7,959.34	311,688.22	10,739.75
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	1,185	375	808	138,102	14,452
Commercial light service	196	120	205	24,834	140
Power service	13	16	27	4,924	14
Total	1,394	511	1,040	167,860	1,606

*Includes $110,000.00 re York Township debenture payments and estimated profits for 1928.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Trafalgar Twp. 3,779	Walkerville 9,852	Wallaceburg 4,145	Wardsville 212	Waterdown 817	Waterford 1,030	Waterloo 7,135	Watford 1,031
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10,674.03	106,847.05	16,413.31	948.11	4,403.92	5,920.84	48,543.53	6,078.20
670.25	36,120.95	9,754.82	1,095.53	735.47	1,846.93	20,467.05	3,439.82
1,151.89	115,819.44	76,421.21	.....	1,541.29	5,115.34	30,142.73	2,184.35
.....	.....	1,654.42	.....	197.10	298.83	3,401.26	434.27
.....	14,999.75	2,954.00	680.00	930.00	1,614.60	6,653.31	1,153.20
.....	580.49	300.61	6.80	.....	8.95	1,350.00	.....
8.56	27,346.40	1,327.39	83.10	189.62	327.96	216.15	146.26
12,504.73	301,714.08	108,825.76	2,813.54	7,997.40	15,133.45	110,774.03	13,436.10
5,917.00	162,759.34	70,382.93	1,694.87	5,320.27	10,686.88	74,676.21	9,354.67
.....	7,317.36	286.73	.....	.....	.....	2,415.80	.....
.....	1,317.58	.....	.....	.....	.....	241.57	.....
2,216.36	4,759.55	2,522.03	73.57	524.26	513.75	2,908.76	1,074.85
.....	607.52	47.39	.....	.....	.....	129.37	.....
.....	3,455.50	185.07	.....	.....	.....	428.03	72.85
.....	3,074.08	.....	.....	.....	.....	.....	.....
.....	2,029.50	150.23	45.09	61.33	197.84	1,041.19	76.55
.....	.....	.....	.....	.....	.....	.....	40.40
.....	8,122.69	1,235.55	.....	349.15	594.05	1,990.83	375.82
1,445.81	10,641.79	3,916.98	110.54	526.99	281.04	5,199.63	670.31
524.79	9,197.90	4,724.11	.....	.....	67.92	1,502.74	210.80
964.92	11,322.80	3,401.20	362.68	131.54	.....	3,978.69	291.54
710.58	11,701.95	2,076.44	308.54	408.78	.....	3,826.61	545.25
11,779.46	236,307.56	88,928.66	2,595.29	7,322.32	12,341.48	98,339.43	12,713.04
725.27	65,406.52	19,897.10	218.25	675.08	2,791.97	12,434.60	723.06
.....	.....	.....	.....	.....	.....	.....	.....
837.00	12,212.00	3,742.00	168.00	246.00	770.00	6,857.44	573.00
.....	53,194.52	16,155.10	50.25	429.08	2,021.97	5,577.16	150.06
111.73	.....	.....	.....	.....	.....	.....	.....
224	2,493	921	50	205	307	1,663	266
2	339	202	22	27	63	214	79
12	93	28	.....	6	13	68	6
238	2,925	1,151	72	238	383	1,945	351

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Welland	Wellesley P.V.	West Lorne	Weston	Wheatley
Population	9,664		805	4,136	717
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	52,707.76	2,363.11	2,700.26	29,619.28	3,796.01
Commercial light	32,678.14	846.74	1,994.09	6,999.85	2,933.63
Commercial power	64,861.43	2,956.42	8,241.61	44,135.38	1,092.07
Municipal power	2,960.07	.....	.....	1,441.02	.....
Street lighting	8,564.17	710.00	1,010.04	8,111.86	1,534.86
Merchandise	184.82	.....	.....	.....	.....
Miscellaneous	6,121.87	29.25	.....	265.38	.....
Total earnings	168,078.26	6,905.52	13,946.00	90,572.77	9,356.57
EXPENSES					
Power purchased	73,778.70	4,879.97	11,585.76	57,020.19	4,393.35
Substation operation	4,715.73	.....	.....	146.00	.....
Substation maintenance	112.23	.....	.....	689.02	.....
Distribution system, operation and maintenance	5,496.62	41.62	170.39	1,897.77	240.66
Line transformer maintenance	300.10	.....	.....	260.28	.....
Meter maintenance	2,769.55	.....	.....	340.63	.....
Consumers' premises expenses	72.14	.....	.....	.....	.....
Street lighting, operation and maintenance	1,093.78	78.80	65.70	1,008.35	135.14
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	4,615.46	.....	685.29	.....	325.00
General office, salaries and expenses	7,548.70	375.66	96.26	3,803.17	54.35
Undistributed expenses	3,817.00	55.21	66.05	1,027.99	67.50
Interest	15,367.45	268.47	327.89	2,766.94	539.37
Sinking fund and principal payments on debentures	7,997.73	387.06	192.04	2,321.10	461.87
Total expenses	127,685.19	6,086.79	13,189.38	71,281.44	6,217.24
Gross surplus	40,393.07	818.73	756.62	19,291.33	3,139.33
Gross loss	.....	.....	.....	.....	.....
Depreciation	10,074.53	233.00	518.00	4,119.00	388.00
Net surplus	30,318.54	585.73	238.62	15,172.33	2,751.33
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	2,149	114	185	1,073	167
Commercial light service	410	29	54	146	62
Power service	83	4	5	24	2
Total	2,642	147	244	1,243	231

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Windsor 61,095	Wood-bridge 700	Woodstock 10,106	Wyoming 499	York Twp.* 48,982	E. York Twp. 23,610	N. York Twp. 9,006
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
524,184.48	4,313.44	69,559.31	2,072.98	286,229.44	123,913.27	49,636.37
262,490.32	1,552.53	39,964.58	1,371.48	32,663.08	14,871.79	9,274.73
197,461.31	3,582.85	45,191.28	131.97	63,463.00	41,759.93	6,504.13
19,381.64	383.14	3,049.50	.....	.....	3,258.93	3,173.92
80,681.19	900.00	6,950.91	800.00	42,437.86	14,494.53	2,409.37
10,873.25	.....	1,164.88	.....	.....	.....	.....
735.61	234.46	2,244.73	31.43	9,137.45	803.53	3,899.49
1,095,807.80	10,966.42	168,125.19	4,407.86	433,930.83	199,101.98	74,898.01
632,804.40	7,121.59	111,690.95	2,610.65	162,615.05	99,903.27	28,258.44
14,980.32	.....	2,692.16	.....	14,460.98	.....	.....
7,787.89	.....	19.98	.....	.....	.....	.....
17,633.14	527.43	4,747.28	154.05	9,319.03	7,898.73	6,401.12
4,446.37	.....	201.53	.....	4,146.87	1,081.74	.....
11,278.61	40.08	1,164.45	.....	5,990.08	1,860.13	936.72
14,008.56	.....	.....	.....	14,162.20	1,204.50	.....
24,186.63	72.26	1,414.51	47.66	4,242.21	1,034.94	191.30
5,577.17	.....	.....	.....	4,063.18	97.86	.....
29,570.12	.....	2,868.21	154.96	25,590.08	7,812.04	3,217.51
21,224.09	784.50	4,284.68	227.03	14,920.93	7,946.99	2,408.28
19,875.82	.....	3,006.89	.....	6,701.89	7,069.50	4,592.52
72,310.49	446.81	3,782.61	337.85	118,229.77	16,810.76	11,395.73
61,719.52	223.10	2,403.47	557.41	16,746.85	11,137.34	5,306.15
937,403.13	9,215.77	138,276.72	4,089.61	401,189.12	163,857.80	62,707.77
158,404.67	1,750.65	29,848.47	318.25	32,741.71	35,244.18	12,190.24
.....	.....	.....	.....	.....	.....	.....
48,349.00	613.00	8,810.00	300.00	13,636.00	8,583.00	5,470.00
110,055.67	1,137.65	21,038.47	18.25	19,105.71	26,661.18	6,720.24
.....	.....	.....	.....	.....	.....	.....
14,776	212	2,672	118	Included	7,016	1,684
2,230	47	451	42	with	285	127
350	6	93	1	Toronto	28	23
17,356	265	3,216	161	.....	7,329	1,834

*For year ending December 31, 1927. Included in Toronto figures, not added in summary.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Concluded			GEORGIAN BAY SYSTEM		
Municiaplity	Zurich P.V.	NIAGARA SYSTEM SUMMARY	Alliston	Arthur	Barrie
Population			1,336	1,018	7,175
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,568.89	7,584,046.74	9,311.60	4,014.84	36,511.79
Commercial light	1,598.33	4,438,140.16	5,414.98	3,390.49	18,506.20
Commercial power	132.48	6,690,089.43	1,777.78	2,037.95	13,735.80
Municipal power	.....	1,772,322.86	636.32	.....	1,016.46
Street lighting	681.96	1,251,120.56	2,278.00	2,227.08	5,061.00
Merchandise	.....	39,317.95	.....	.....	270.83
Miscellaneous	166.72	400,090.49	42.36	23.93	494.18
Total earnings	5,148.38	22,175,128.19	19,461.04	11,694.29	75,596.26
EXPENSES					
Power purchased	4,364.96	12,276,160.49	9,083.73	6,824.88	47,262.79
Substation operation	.....	354,382.66	.....	.....	230.67
Substation maintenance	.....	231,005.83	.....	.....	
Distribution system, operation and maintenance	319.00	594,187.24	1,021.64	553.03	2,707.14
Line transformer maintenance	.....	82,208.23	.....	.....	9.00
Meter maintenance	.....	181,830.45	.....	.....	490.18
Consumers' premises expenses	.....	288,708.39	.....	.....	.....
Street lighting, operation and maintenance	40.17	261,307.17	143.20	110.84	812.27
Promotion of business	.....	240,325.28	.....	.....	.....
Billing and collecting	.....	552,645.89	.....	.....	2,050.32
General office, salaries and expenses	211.39	706,963.26	878.29	445.51	2,033.26
Undistributed expenses	.....	439,175.12	.....	.....	972.54
Interest	256.47	1,890,377.44	2,125.54	1,390.39	1,042.96
Sinking fund and principal payments on debentures	133.53	1,450,453.85	1,022.43	541.34	2,179.21
Total expenses	5,325.52	19,549,731.30	14,274.83	9,865.99	59,790.34
Gross surplus	.....	2,625,396.89	5,186.21	1,828.30	15,805.92
Gross loss	177.14	.....	.....	.....	.....
Depreciation	304.00	1,158,141.85	1,055.00	792.00	5,453.00
Net surplus	.....	1,467,255.04	4,131.21	1,036.30	10,352.92
Net loss	481.14	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	110	328,182	321	151	1,687
Commercial light service	44	52,757	107	80	329
Power service	3	9,838	15	3	34
Total	157	390,777	443	234	2,050

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Beaverton	Beeton	Bradford	Brechin P.V.	Cannington	Chatsworth	Chesley	Co ldwater
984	565	958		890	316	1,722	606
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,818.27	3,286.18	4,757.33	943.03	4,206.29	1,414.72	7,401.98	2,231.61
2,240.38	2,723.11	3,471.11	974.06	2,204.77	1,147.04	4,338.58	1,265.05
2,249.66	3,422.07	7,177.12	1,097.02	1,023.11	308.85	7,595.06	1,701.64
.....	.....	.....	.....	.....	.....	1,240.15	.....
1,118.47	1,404.00	1,474.20	520.00	1,088.75	496.00	1,682.50	528.00
.....	.....	.....	.....	55.35	.....	41.93	.....
281.92	56.06	.....	150.00	143.08	5.18	660.68	276.61
12,708.70	10,891.42	16,879.76	3,684.11	8,721.35	3,371.79	22,960.88	6,002.91
6,149.14	6,894.33	8,455.51	2,127.93	5,103.30	1,600.83	13,667.53	3,728.75
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
883.84	80.04	478.29	194.75	630.96	37.49	882.41	362.24
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
58.81	84.76	55.68	79.44	54.28	35.44	150.98	55.68
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	351.28	104.17
728.08	471.69	691.65	34.52	504.47	309.11	815.15	300.86
.....	.....	.....	.....	.....	.....	117.15	.....
499.80	969.13	1,463.57	290.48	606.01	311.40	868.00	277.80
498.00	350.25	621.36	75.64	461.66	185.66	1,468.57	204.50
8,817.67	8,850.20	11,766.06	2,802.76	7,360.68	2,479.93	18,321.07	5,034.00
3,891.03	2,041.22	5,113.70	881.35	1,360.67	891.86	4,639.81	968.91
.....	.....	.....	.....	.....	.....	.....	.....
902.00	477.00	679.00	111.00	510.00	205.00	380.00	210.00
2,989.03	1,564.22	4,434.70	770.35	850.67	686.86	4,259.81	758.91
.....	.....	.....	.....	.....	.....	.....	.....
369	114	184	39	227	54	388	128
64	37	53	24	71	35	100	55
10	6	7	4	12	1	19	3
443	157	244	67	310	90	507	186

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Collingwood	Cookstown	Creemore	Dundalk	Durham
Population	5,728	P.V.	643	558	1,694
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	25,460.19	2,080.07	1,978.03	2,183.40	4,951.40
Commercial light	11,224.98	1,583.28	1,664.05	2,159.81	3,814.28
Commercial power	20,779.86	82.69	1,437.29	2,818.47	12,136.66
Municipal power	1,413.07	.....	.....	.....	.....
Street lighting	3,352.00	1,008.00	579.24	837.00	1,758.47
Merchandise	.....	.....	.....	.....	.....
Miscellaneous	2,072.27	33.75	286.12	400.98	988.82
Total earnings	64,302.37	4,787.79	5,944.73	8,399.66	23,649.63
EXPENSES					
Power purchased	44,971.58	2,201.37	4,625.55	5,348.86	13,587.84
Substation operation	51.82	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	944.69	67.16	51.02	624.40	315.85
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	56.83	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	170.67	49.38	28.34	115.68	57.12
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	1,887.46	.....	.....	.....	.....
General office, salaries and expenses	2,613.76	425.12	410.35	620.02	1,813.86
Undistributed expenses	966.78	.....	.....	.....	1,383.19
Interest	514.61	658.37	189.81	149.48	826.26
Sinking fund and principal payments on debentures	2,074.59	612.57	376.88	272.66	1,808.57
Total expenses	54,252.79	4,013.97	5,681.95	7,131.10	19,792.69
Gross surplus	10,049.58	773.82	262.78	1,268.56	3,856.94
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,294.00	393.00	123.00	360.00	900.00
Net surplus	8,755.58	380.82	139.78	908.56	2,956.94
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	1,338	93	150	154	355
Commercial light service	258	36	59	74	102
Power service	57	2	5	3	7
Total	1,653	131	214	231	464

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Elmvale P.V.	Elmwood P.V.	Flesherton 412	Grand Valley 546	Graven-hurst 1,722	Hanover 2,700	Holstein P.V.	Huntsville 2,708
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,018.45	962.01	2,478.80	2,530.59	6,502.82	16,006.05	892.78	10,662.80
1,390.22	519.00	1,782.85	2,126.34	4,549.44	5,781.34	534.50	6,577.56
4,196.91	1,331.95	395.95	2,035.35	8,578.71	19,716.92	227.79	17,363.58
105.85	.....	.....	.....	950.28	327.43	.....	1,126.67
766.98	483.00	490.00	832.00	1,629.00	3,461.16	490.00	2,184.00
.....	.....	.....	.....	736.92	.....	.....	356.13
202.41	23.26	37.90	261.53	873.59	1,659.73	.....	247.97
8,680.82	3,319.22	5,185.50	7,785.81	23,820.76	46,952.63	2,145.07	38,518.71
6,187.93	1,979.83	2,677.95	5,053.04	10,628.57	27,701.84	1,471.80	27,610.38
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
614.90	7.50	137.59	.....	1,861.68	2,447.09	22.37	2,746.01
.....	.....	.....	162.60	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
23.34	26.52	52.54	52.40	132.63	172.71	.....	110.50
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1,072.20	.....	.....
278.00	206.96	333.19	491.81	1,958.42	290.36	141.21	1,408.97
.....	.....	.....	.....	.....	1,014.80	.....	.....
275.29	290.30	461.10	391.38	1,218.87	3,738.00	254.31	549.27
219.04	341.92	197.72	567.65	2,669.92	3,947.50	163.58	1,395.92
7,598.50	2,853.03	3,860.09	6,718.88	18,470.09	40,384.50	2,053.27	33,821.05
1,082.32	466.19	1,325.41	1,066.93	5,350.67	6,568.13	91.80	4,697.66
.....	.....	.....	.....	.....	.....	.....	.....
188.00	196.00	92.70	435.00	1,167.00	2,643.00	90.00	835.00
894.32	270.19	1,232.71	631.93	4,183.67	3,925.13	1.80	3,862.66
.....	.....	.....	.....	.....	.....	.....	.....
132	50	119	130	382	650	46	504
49	19	38	52	66	114	17	112
10	1	1	2	14	17	1	11
191	70	158	184	462	781	64	627

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Kincardine	Kirkfield P.V.	Lucknow	Markdale	Meaford
Population	2,189		1,026	871	2,715
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	12,629.64	611.73	5,682.52	3,104.23	10,274.28
Commercial light	7,387.99	552.17	3,104.86	2,105.23	5,578.00
Commercial power	7,434.41	473.48	3,929.28	1,310.14	4,503.00
Municipal power	1,648.80	.....	.....	163.78	820.15
Street lighting	3,890.00	460.00	1,263.18	672.00	3,046.79
Merchandise	.....	.....	.....	.....	.....
Miscellaneous	153.10	.....	165.93	135.86	885.72
Total earnings	33,143.94	2,097.38	14,145.77	7,491.24	25,107.94
EXPENSES					
Power purchased	16,797.72	1,128.22	9,408.60	4,060.07	11,562.74
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,147.67	174.95	227.25	481.12	1,472.36
Line transformer maintenance	.....	.....	.....	.....	43.39
Meter maintenance	.....	.....	.....	.....	41.62
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	245.91	31.33	115.58	46.11	30.61
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	1,072.61	.....	.....	.....	796.72
General office, salaries and expenses	1,426.72	56.67	614.69	618.32	2,196.77
Undistributed expenses	113.73	.....	.....	.....	.....
Interest	2,789.16	327.17	929.37	424.81	2,357.30
Sinking fund and principal payments on debentures	2,384.67	245.24	728.43	229.03	2,309.36
Total expenses	25,978.19	1,963.58	12,023.92	5,859.46	20,810.87
Gross surplus	7,165.75	133.80	2,121.85	1,631.78	4,297.07
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,488.00	164.00	553.00	486.00	1,067.00
Net surplus	5,677.75	.....	1,568.85	1,145.78	3,230.07
Net loss	.....	30.20	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	514	22	239	178	587
Commercial light service	114	14	81	78	136
Power service	22	1	4	9	13
Total	650	37	324	265	736

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Midland 7,902	Mount Forest 1,829	Neustadt 449	Orangeville 2,669	Owen Sound 12,234	Paisley 720	Penetang-uishene 3,945
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
31,023.58	7,233.65	1,896.34	9,116.05	47,560.02	3,292.26	7,800.42
12,439.96	5,183.63	1,201.45	7,577.47	29,358.76	2,140.38	3,063.11
96,351.47	4,371.22	3,155.34	7,811.55	28,722.98	1,284.54	11,576.73
3,153.92	1,445.05	.....	342.00	.....	.....	1,793.25
5,947.92	2,562.12	975.00	3,242.09	9,893.50	1,408.00	1,860.00
31.05	.....	.....	.....	.....	.....	.....
890.28	459.01	.....	88.32	1,473.36	210.76	775.36
149,838.18	21,254.68	7,228.13	28,177.48	117,008.62	8,335.94	26,868.87
99,154.71	10,786.52	5,579.83	15,562.22	68,054.55	5,762.26	17,038.03
1,931.70	.....	.....	.....	258.97	.....	1,930.76
781.83	.....	.....	.....	3,362.74	.....	128.54
4,676.58	1,192.19	35.07	2,382.00	3,145.79	211.18	1,837.37
297.45	.....	.....	.....	110.24	.....	77.26
703.18	.....	.....	.....	2,017.63	.....	9.42
.....	.....	.....	.....	.....	.....	.....
852.76	221.01	48.40	175.16	2,188.32	148.85	166.00
419.89	.....	.....	.....	.....	.....	.....
2,176.87	.....	.....	900.99	2,843.50	.....	920.92
2,748.10	1,150.30	403.17	176.32	5,885.80	417.61	532.37
3,095.50	.....	.....	.....	2,714.73	.....	548.60
3,363.94	913.84	949.62	1,085.43	2,350.00	770.41	1,323.50
4,762.45	1,087.28	761.33	1,875.96	1,679.20	568.46	1,561.39
124,964.96	15,351.14	7,777.42	22,158.08	94,611.47	7,878.77	26,074.16
24,873.22	5,903.54	.....	6,019.40	22,397.15	457.17	794.71
.....	.....	549.29	.....	.....	.....	.....
7,490.00	1,063.00	490.00	1,297.00	5,847.70	355.00	928.00
17,383.22	4,840.54	.....	4,722.40	16,549.45	102.17	.....
.....	.....	1,039.29	.....	.....	.....	133.29
1,555	380	87	595	2,894	164	541
233	136	27	143	536	54	101
3	12	4	28	113	4	27
1,791	528	118	766	3,543	222	669

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Port McNicoll	Port Perry	Priceville P.V.	Ripley	Shelburne
Population	783	1,155		420	1,000
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,532.47	6,665.56	484.39	2,812.54	5,172.65
Commercial light	725.29	2,312.34	277.74	2,705.44	3,402.12
Commercial power	41.72	3,927.49	.....	.....	4,846.26
Municipal power	.....	454.98	.....	.....	410.85
Street lighting	572.00	1,448.00	560.00	1,323.00	1,140.00
Merchandise	.....	.....	.....	.....	.....
Miscellaneous	5.79	487.29	.....	7.06	191.55
Total earnings	4,877.27	15,295.66	1,322.13	6,848.04	15,163.43
EXPENSES					
Power purchased	2,238.07	7,480.54	910.95	4,144.90	8,987.53
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	63.73	825.45	11.30	100.99	539.33
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	44.88	26.05	8.60	75.39	41.48
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	528.70
General office, salaries and expenses	425.58	759.96	41.60	355.45	99.37
Undistributed expenses	.....	.....	.....	.....	.....
Interest	285.60	1,172.88	392.18	770.77	585.70
Sinking fund and principal payments on debentures	359.94	558.58	352.87	285.29	1,030.41
Total expenses	3,417.80	10,823.46	1,717.50	5,732.79	11,812.52
Gross surplus	1,459.47	4,472.20	.....	1,115.25	3,350.91
Gross loss	.....	.....	395.37	.....	.....
Depreciation	303.00	643.00	143.00	330.00	737.00
Net surplus	1,156.47	3,829.20	.....	785.25	2,613.91
Net loss	.....	.....	538.37	.....	.....
NUMBER OF CONSUMERS					
Domestic service	198	265	26	93	287
Commercial light service	26	65	9	45	93
Power service	1	13	.....	.....	11
Total	225	343	35	138	391

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

Stayner 951	Sunderland P.V.	Tara 511	Teeswater 805	Thornton P.V.	Tottenham 608	Uxbridge 1,404
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,219.03	2,025.59	2,713.54	4,508.25	1,033.33	2,793.89	6,018.66
2,123.14	1,494.46	2,227.89	2,938.91	502.38	2,255.63	3,159.53
2,733.90	745.21	989.52	3,196.34	368.71	857.75	1,493.43
.....	.....	.....	.....	.....	288.71	.....
1,388.00	558.00	1,675.00	1,908.00	840.00	1,225.08	1,806.00
.....	.....	.....	.....	.....	.....	.....
390.88	.....	.....	.....	.....	.....	433.49
9,854.95	4,823.26	7,605.95	12,551.50	2,744.42	7,421.06	12,911.11
5,255.72	2,911.01	4,451.22	6,796.93	1,566.47	4,564.47	8,093.99
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
590.49	130.18	271.92	112.88	52.70	384.63	479.05
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
23.57	20.00	37.32	74.87	21.01	15.24	43.89
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
477.69	212.89	469.52	540.00	89.85	209.25	727.08
.....	.....	.....	.....	.....	.....	.....
414.03	258.78	729.41	1,509.08	552.01	647.94	976.50
811.20	241.43	721.35	1,326.56	317.64	297.02	.....
7,572.70	3,774.29	6,680.74	10,360.32	2,599.68	6,118.55	10,320.51
2,282.25	1,048.97	925.21	2,191.18	144.74	1,302.51	2,590.60
.....	.....	.....	.....	.....	.....	.....
322.00	240.00	427.00	506.00	251.00	331.00	524.00
1,960.25	808.97	498.21	1,685.18	.....	971.51	2,066.60
.....	.....	.....	.....	106.26	.....	.....
218	97	110	197	44	117	272
66	39	39	57	15	51	95
9	3	4	8	2	5	12
293	139	153	262	61	173	379

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality Population	Victoria Harbor 1,397	Waubaushene P.V.	Wingham 2,316	Woodville 415	GEORGIAN BAY SYSTEM SUMMARY
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,315.06	1,755.40	11,384.26	1,805.22	358,069.59
Commercial light	912.73	442.42	7,471.78	841.78	202,870.01
Commercial power	.....	1,237.81	10,547.71	1,222.61	336,360.79
Municipal power	.....	94.48	262.69	.....	17,694.89
Street lighting	912.00	434.50	3,459.66	528.00	90,746.69
Merchandise	.....	.....	.....	.....	1,492.21
Miscellaneous	11.30	.....	1,482.69	159.50	17,629.58
Total earnings	4,151.09	3,964.61	34,608.79	4,557.11	1,024,863.76
EXPENSES					
Power purchased	2,349.65	1,732.15	18,036.17	2,532.08	611,892.58
Substation operation	.....	.....	1,767.24	.....	6,171.16
Substation maintenance	.....	.....	.....	.....	4,273.11
Distribution system, operation and maintenance	26.18	105.49	2,053.16	216.75	40,619.85
Line transformer maintenance	.....	.....	.....	.....	699.94
Meter maintenance	.....	.....	.....	.....	3,318.86
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	8.68	20.03	126.11	26.30	7,516.67
Promotion of business	.....	.....	.....	.....	419.89
Billing and collecting	.....	.....	602.02	.....	15,307.76
General office, salaries and expenses	412.65	340.35	752.34	222.98	40,568.02
Undistributed expenses	.....	.....	569.75	.....	11,496.77
Interest	189.51	110.93	3,326.40	198.59	49,066.99
Sinking fund and principal payments on debentures	354.42	191.46	3,592.39	175.76	51,066.26
Total expenses	3,341.09	2,500.41	30,825.58	3,372.46	842,417.86
Gross surplus	810.00	1,464.20	3,783.21	1,184.65	182,445.90
Gross loss	.....	.....	.....	.....	.....
Depreciation	335.00	205.00	2,119.00	166.00	48,301.40
Net surplus	475.00	1,259.20	1,664.21	1,018.65	134,144.50
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	150	110	507	91	18,303
Commercial light service	33	15	160	27	4,439
Power service	.....	6	26	3	588
Total	183	131	693	121	23,330

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

ST. LAWRENCE SYSTEM

Alexandria 2,267	Apple Hill P.V.	Brockville 9,133	Chesterville 1,036	Finch 361*	Lancaster 588	Martintown P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,912.24	985.26	31,410.58	3,939.78	1,477.92	1,718.93	779.88
4,576.93	681.03	20,795.44	2,040.43	1,150.81	1,639.69	720.55
7,413.94	433.64	36,714.49	6,361.51	1,077.93	129.13	.....
2,068.39	.....	5,949.67	.....	.....	.....	.....
2,932.25	463.31	9,028.00	1,032.00	795.60	1,496.50	300.00
.....	.....	.....	404.88	.....	.....	.....
.....	.....	6,390.63	397.99	.....	.....	73.77
23,903.75	2,563.24	110,288.81	14,176.59	4,502.26	4,984.25	1,874.20
15,171.80	1,544.23	45,212.02	9,830.79	2,820.76	3,399.73	980.94
.....	.....	5,472.34	.....	.....	.....	.....
.....	.....	506.78	.....	.....	.....	.....
1,411.77	57.55	2,355.11	1,429.38	140.15	41.61	55.65
.....	.....	56.57	.....	.....	.....	.....
.....	.....	2,381.92	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
256.93	23.65	999.01	106.90	15.82	104.84	15.00
.....	.....	116.20	.....	.....	.....	.....
.....	.....	2,083.45	.....	.....	.....	.....
1,194.19	293.12	4,499.92	744.76	215.19	165.24	54.00
.....	.....	2,311.86	.....	.....	.....	.....
1,982.75	291.81	7,515.28	262.46	545.34	772.79	277.85
2,094.51	227.14	2,791.86	146.06	190.29	531.38	245.25
22,111.95	2,437.50	76,302.32	12,520.35	3,927.55	5,015.59	1,628 69
1,791.80	125.74	33,986.49	1,656.24	574.71	.....	245.51
.....	.....	.....	.....	.....	31.34	.....
1,078.00	120.00	5,806.00	470.00	.....	225.00	110.00
713.80	5.74	28,180.49	1,186.24	574.71	.....	135.51
.....	.....	.....	.....	.....	256.34	.....
281	37	2,317	205	66	69	33
106	17	401	62	28	33	19
14	1	68	3	1	1	.....
401	55	2,786	270	95	103	52

*Ten months' operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

ST. LAWRENCE SYSTEM—Concluded

Municipality	Maxville	Prescott	Russell P.V.	Williamsburg P.V.	Winchester
Population	782	2,709			1,068
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,036.28	11,023.50	2,576.56	1,135.39	5,089.02
Commercial light	2,035.91	6,871.96	1,721.06	535.33	2,260.84
Commercial power	228.28	4,400.96	.....	219.87	979.29
Municipal power	.....	1,917.16	.....	.....	.....
Street lighting	1,770.05	3,425.00	1,012.00	234.00	1,053.00
Merchandise	.....	.....	.....	.....	549.44
Miscellaneous	.....	482.78	.....	68.10	400.00
Total earnings	7,070.52	28,121.36	5,309.62	2,192.69	10,331.59
EXPENSES					
Power purchased	4,231.14	13,851.45	3,345.22	1,606.58	7,293.42
Substation operation	.....	1,716.99	.....	.....	.....
Substation maintenance	.....	88.76	.....	.....	.....
Distribution system, operation and maintenance	154.10	2,328.30	62.69	76.43	1,133.14
Line transformer maintenance	.....	45.00	.....	.....	.....
Meter maintenance	.....	199.82	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	151.71	488.47	111.73	25.61	99.50
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	1,058.28	.....	.....	.....
General office, salaries and expenses	292.57	2,087.77	269.21	94.06	846.79
Undistributed expenses	.....	308.18	.....	.....	.....
Interest	775.06	510.54	582.35	63.84	442.06
Sinking fund and principal payments on debentures	667.51	1,407.57	319.21	156.83	287.18
Total expenses	6,272.09	24,091.13	4,690.41	2,023.35	10,102.09
Gross surplus	798.43	4,030.23	619.21	169.34	229.50
Gross loss	.....	.....	.....	.....	.....
Depreciation	407.00	2,117.00	223.00	106.00	490.00
Net surplus	391.43	1,913.23	396.21	63.34	.....
Net loss	.....	.....	.....	.....	260.50
NUMBER OF CONSUMERS					
Domestic service	124	596	96	54	264
Commercial light service	49	158	32	18	60
Power service	2	19	.....	1	3
Total	175	773	128	73	327

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

	RIDEAU SYSTEM					
ST. LAWRENCE SYSTEM SUMMARY	Carleton Place 4,228	Kemptville 1,163	Lanark 549	Perth 3,664	Smiths Falls 7,006	RIDEAU SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
70,085.34	18,363.58	5,859.46	2,298.75	20,199.54	40,488.56	87,209.89
45,029.98	9,689.85	6,742.66	1,228.42	12,794.46	16,148.06	46,603.45
57,959.04	17,649.60	4,016.39	139.77	15,334.82	26,593.78	63,734.36
9,935.22	2,598.03	.....	.....	2,767.19	.....	5,365.22
23,541.71	2,849.00	1,599.00	733.40	2,824.42	7,176.00	15,181.82
954.32	316.03	32.21	.....	2,455.15	82.92	2,886.31
7,813.27	1,296.25	729.88	108.76	298.85	1,380.75	3,814.49
215,318.88	52,762.34	18,979.60	4,509.10	56,674.43	91,870.07	224,795.54
109,288.08	36,787.51	9,016.25	2,993.70	33,877.76	50,629.67	133,304.89
7,189.33	.....	.....	.....	360.00	1,502.18	1,862.18
595.54	115.64	.....	.....	.....	.....	115.64
9,245.88	2,053.51	1,761.98	39.94	1,915.83	2,992.00	8,763.26
101.57	74.95	.....	.....	48.20	26.72	149.87
2,581.74	236.12	.....	.....	369.07	492.60	1,097.79
.....	.....	.....	.....	.....	.....	.....
2,399.17	505.42	84.37	36.08	128.92	1,008.83	1,763.62
116.20	.....	.....	.....	.....	.....	.....
3,141.73	1,501.07	.....	.....	1,196.94	1,630.29	4,328.30
10,756.82	2,965.33	947.56	303.24	2,815.96	2,642.57	9,674.66
2,620.04	763.27	171.51	.....	1,451.77	1,480.83	3,867.38
14,022.13	3,269.15	1,348.96	355.03	3,670.22	7,971.39	16,614.75
9,064.79	1,800.66	475.48	347.07	1,359.38	9,209.88	13,192.47
171,123.02	50,072.63	13,806.11	4,075.06	47,194.05	79,586.96	194,734.81
44,195.86	2,689.71	5,173.49	434.04	9,480.38	12,283.11	30,060.73
.....	.....	.....	.....	.....	.....	.....
11,152.00	1,572.00	662.00	190.00	2,406.00	4,680.00	9,510.00
33,043.86	1,117.71	4,511.49	244.04	7,074.38	7,603.11	20,550.73
.....	.....	.....	.....	.....	.....	.....
4,142	878	273	117	806	1,574	3,648
983	184	72	33	183	250	722
113	16	7	2	22	40	87
5,238	1,078	352	152	1,011	1,864	4,457

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM

Municipality / Population	Fort William 22,518	Nipigon P.V.	Port Arthur 17,413	THUNDER BAY SYSTEM SUMMARY
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	161,194.49	2,200.69	93,471.98	256,867.16
Commercial light	63,136.08	1,772.14	60,415.45	125,323.67
Commercial power	52,572.35	.....	815,097.83	867,670.18
Municipal power	20,910.96	.....	38,581.10	59,492.06
Street lighting	17,778.00	500.00	14,195.04	32,473.04
Merchandise	.....	.....	.....	.....
Miscellaneous	.....	.....	14,767.68	14,767.68
Total earnings	315,591.88	4,472.83	1,036,529.08	1,356,593.79
EXPENSES				
Power purchased	211,573.00	1,260.77	728,741.26	941,575.03
Substation operation	5,612.93	.....	17,737.11	23,350.04
Substation maintenance	405.48	.....	2,274.53	2,680.01
Distribution system, operation and maintenance	8,194.53	325.79	10,920.56	19,440.88
Line transformer maintenance	1,445.42	.....	469.84	1,915.26
Meter maintenance	7,763.36	.....	3,214.58	10,977.94
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	6,474.64	28.06	3,358.80	9,861.50
Promotion of business	.....	.....	457.88	457.88
Billing and collecting	5,442.10	.....	5,440.14	10,882.24
General office, salaries and expenses	8,797.01	260.52	14,237.55	23,295.08
Undistributed expenses	4,742.43	.....	13,333.06	18,075.49
Interest	20,797.29	500.09	21,379.86	42,677.24
Sinking fund and principal payments on debentures	13,162.68	323.77	9,395.65	22,882.10
Total expenses	294,410.87	2,699.00	830,960.82	1,128,070.69
Gross surplus	21,181.01	1,773.83	205,568.26	228,523.10
Gross loss	.....	.....	.....	.....
Depreciation	13,810.00	288.00	21,300.00	35,398.00
Net surplus	7,371.01	1,485.83	184,268.26	193,125.10
Net loss	.....	.....	.....	.....
NUMBER OF CONSUMERS				
Domestic service	5,399	93	3,891	9,383
Commercial light service	926	29	751	1,706
Power service	109	.....	103	212
Total	6,434	122	4,745	11,301

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1928

OTTAWA SYSTEM			TRENT SYSTEM			
Ottawa	Richmond	OTTAWA SYSTEM SUMMARY	Bloomfield	Havelock	Kingston	Lakefield
119,254	368*		600	1,069	21,633	1,343
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
278,094.78	228.20	278,322.98	2,610.65	5,932.75	94,693.51	5,903.58
133,523.10	537.62	134,060.72	1,019.75	1,596.92	72,604.16	4,639.82
55,253.04	.....	55,253.04	2,948.91	6,725.27	64,336.70	3,257.39
34,671.32	.....	34,671.32	.....	.....	6,891.81	.....
60,278.52	241.50	60,520.02	663.75	1,566.00	20,000.00	1,818.00
1,032.47	.....	1,032.47	.....	.....	.....	.....
7,130.36	.....	7,130.36	238.15	158.35	8,466.36	444.44
569,983.59	1,007.32	570,990.91	7,481.21	15,979.29	266,992.54	16,063.23
211,309.52	519.39	211,828.91	4,876.62	10,213.35	96,100.87	6,983.97
16,551.17	.....	16,551.17	.....	.....	5,401.42	.....
.....	.....	.....	.....	.....	8,317.81	.....
31,132.57	5.65	31,138.22	207.88	797.05	13,326.75	1,303.68
541.42	.....	541.42	.....	.....	2,014.96	.....
9,827.96	.....	9,827.96	.....	.....	3,622.95	.....
.....	.....	.....	.....	.....	1,800.00	.....
32,917.35	3.37	32,920.72	46.48	117.85	6,578.59	69.91
8,414.01	.....	8,414.01	.....	.....	108.75	.....
34,361.61	.....	34,361.61	.....	.....	5,645.94	.....
22,551.69	237.32	22,789.01	376.32	392.18	9,364.85	485.06
25,490.04	.....	25,490.04	.....	204.39	30,019.51	.....
43,463.44	45.60	43,509.04	558.42	1,541.56	12,917.46	1,968.86
19,673.51	.....	19,673.51	301.76	1,326.81	10,782.87	602.72
456,234.29	811.33	457,045.62	6,367.48	14,593.19	206,002.73	11,414.20
113,749.30	195.99	113,945.29	1,113.73	1,386.10	60,989.81	4,649.03
.....	.....	.....	.....	.....	.....	.....
51,291.00	.....	51,291.00	341.00	705.00	13,933.00	820.00
62,458.30	195.99	62,654.29	772.73	681.10	47,056.81	3,829.03
.....	.....	.....	.....	.....	.....	.....
11,568	27	11,595	146	291	5,087	272
1,453	24	1,477	23	47	858	74
193	.....	193	10	3	125	8
13,214	51	13,265	179	341	6,070	354

*Four months' operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

TRENT SYSTEM—Concluded

Municipality	Lindsay	Marmora	Norwood	Omemee	Peterboro'
Population	7,296*	876	754	517	21,519
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	29,596.28	2,943.39	4,048.43	2,464.98	103,040.60
Commercial light	18,395.87	1,678.42	2,150.17	1,139.98	66,794.97
Commercial power	26,354.91	924.05	1,803.07	435.70	93,141.39
Municipal power	2,873.89	.....	.....	.....	7,417.15
Street lighting	6,364.65	1,566.00	1,725.00	868.00	17,872.51
Merchandise	596.03	.....	.....	.....	.....
Miscellaneous	.....	83.35	176.54	.....	2,677.56
Total earnings	84,181.63	7,195.21	9,903.21	4,908.66	290,944.18
EXPENSES					
Power purchased	42,749.33	3,997.81	4,332.24	2,215.68	165,335.15
Substation operation	.....	.....	.....	.....	3,730.93
Substation maintenance	.....	.....	.....	.....	659.94
Distribution system, operation and maintenance	3,044.28	79.03	668.70	505.36	7,202.44
Line transformer maintenance	307.92	.....	.....	.....	625.94
Meter maintenance	436.10	.....	.....	.....	4,514.48
Consumers' premises expenses	374.64	.....	.....	.....	450.00
Street lighting, operation and maintenance	1,433.66	67.30	54.13	48.55	3,208.97
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	2,157.71	.....	.....	.....	7,860.50
General office, salaries and expenses	6,701.98	511.48	279.80	255.02	6,711.36
Undistributed expenses	882.74	.....	208.83	.....	9,013.49
Interest	4,754.64	804.85	1,986.65	478.09	26,458.50
Sinking fund and principal payments on debentures	2,948.64	789.76	766.82	568.15	14,263.54
Total expenses	65,791.64	6,250.23	8,297.17	4,070.85	250,035.24
Gross surplus	18,389.99	944.98	1,606.04	837.81	40,908.94
Gross loss	.....	.....	.....	.....	.....
Depreciation	2,565.00	440.00	830.00	453.00	12,555.00
Net surplus	15,824.99	504.98	776.04	384.81	28,353.94
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	1,788	172	209	130	5,134
Commercial light service	330	48	70	25	995
Power service	69	3	5	5	152
Total	2,187	223	284	160	6,281

*Nine months' operation.

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1928

Picton 3,288	Warkworth P.V.	Wellington 822	Whitby 3,422	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
16,792.45	1,679.24	4,302.94	16,440.06	290,448.86	8,925,050.56
8,646.58	1,061.91	2,095.30	8,871.48	190,695.33	5,182,723.32
7,874.93	.....	3,284.30	16,515.98	227,602.60	8,298,669.44
2,644.83	.....	29.83	1,961.89	21,819.40	1,921,300.97
3,575.04	864.00	877.48	3,132.71	60,893.14	1,534,476.98
2,059.81	.....	.....	112.80	2,768.64	48,451.90
1,266.76	151.49	250.00	633.05	14,546.05	465,791.92
42,860.40	3,756.64	10,839.85	47,667.97	808,774.02	26,376,465.09
29,352.69	2,309.19	6,072.47	29,980.73	404,520.10	14,688,570.08
.....	.....	.....	1,873.59	11,005.94	420,512.48
.....	.....	.....	.....	8,977.75	247,647.88
1,597.89	87.92	732.51	3,211.03	32,764.52	736,159.85
53.58	.....	.....	57.49	3,059.89	88,676.18
18.62	.....	.....	304.07	8,896.22	218,530.96
.....	.....	.....	.....	2,624.64	291,333.03
1,318.78	25.55	137.37	721.17	13,828.31	329,597.16
.....	.....	.....	.....	108.75	249,842.01
1,047.44	.....	.....	1,417.90	18,129.49	638,797.02
3,223.60	176.96	548.13	1,504.96	30,531.70	844,578.55
949.37	.....	.....	752.17	42,030.50	542,755.34
66.86	633.42	853.04	1,759.55	54,781.90	2,111,049.49
453.24	165.72	468.14	1,940.17	35,378.34	1,601,711.32
38,082.07	3,398.76	8,811.66	43,522.83	666,638.05	23,009,761.35
4,778.33	357.88	2,028.19	4,145.14	142,135.97	3,366,703.74
.....	.....	.....	.....	.....	.....
1,400.00	160.00	584.00	1,671.91	36,457.91	1,350,252.16
3,378.33	197.88	1,444.19	2,473.23	105,678.06	2,016,451.58
.....	.....	.....	.....	.....	.....
927	90	253	778	15,277	390,530
190	42	59	144	2,905	64,989
46	.....	7	16	449	11,480
1,163	132	319	938	18,631	466,999

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Acton	1,870	120	80 c.p. *s*	10.00	1,881.85	1.00
		61	100 watt *m*	10.00		
		3	300 watt *m*	21.00		
Agincourt	.....	52	100 watt *m*	13.00	660.84	**
Ailsa Craig	509	56	100 watt *m*	10.00	560.00	1.10
Alexandria	2,267	94	100 watt *m*	19.00	2,932.25	1.29
		41	200 watt *m*	29.00		
Alliston	1,336	101	100 c.p. *s*	20.00	2,278.00	1.70
		12	100 watt *m*	20.00		
		1	100 watt *m*	18.00		
Alvinston	626	84	100 watt *m*	20.00	1,820.00	2.90
		5	200 watt *m*	40.00		
Amherstburg	3,000	84	100 c.p. *s*	9.50	985.91	0.33
		9	250 c.p. *s*	21.50		
Ancaster Twp.	.....	81	100 watt *m*	12.00	1,076.00	**
		4	300 watt *m*	26.00		
Apple Hill	.....	23	100 watt *m*	20.00	463.31	**
Arkona	386	48	100 watt *m*	22.00	1,034.00	2.68
Arthur	1,018	83	100 watt *m*	25.00	2,227.08	2.19
		4	200 watt *m*	38.00		
Aylmer	2,168	153	100 watt *m*	11.00	2,070.33	0.95
		14	300 watt *m*	25.00		
		1	1,000 watt *m*	52.00		
Ayr	796	88	100 watt *m*	10.00	889.98	1.12
		3	500 watt *m*	36.00		
Baden	.....	65	100 watt *m*	8.00	520.00	**
Barrie	7,175	449	150 c.p. *s*	8.00	5,061.00	0.70
		15	100 watt *m*	15.00		
		41	200 watt *m*	18.00		
		23	300 watt *m*	22.00		
Barton Twp.	.....	281	100 watt *m*	12.00	2,804.00	**
		1	200 watt *m*	11.50		
		1	200 watt *m*	24.00		
Beachville	.....	48	100 watt *m*	11.00	528.00	**
Beaverton	984	106	100 watt *m*	10.00	1,118.47	1.14
		8	100 watt *m*	7.00		
Beeton	565	64	100 c.p. *s*	18.00	1,404.00	2.49
		14	100 watt *m*	18.00		
Belle River	774	75	100 watt *m*	12.00	900.00	1.16

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Blenheim	1,547	136 4 13	150 c.p. *s* 400 c.p. *s* 600 c.p. *s*	13.00 30.00 38.50	2,400.50	1.55
Bloomfield	600	48	100 c.p. *s*	15.00	663.75	1.10
Blyth	624	99	100 watt *m*	15.00	1,485.00	2.38
Bolton	600	56	100 watt *m*	15.00	816.60	1.36
Bothwell	630	65 21	100 watt *m* 300 watt *m*	11.00 30.00	1,337.68	2.12
Bradford	958	60 7	100 c.p. *s* 100 watt *m*	22.00 21.00	1,474.20	1.54
Brampton	4,897	633 2	100 watt *m* 500 watt *m*	7.00 35.00	4,449.00	0.91
Brantford	27,739	3472 10 12 2 20 150	100 watt *m* 150 watt *m* 200 watt *m* 500 watt *m* 750 watt *m* Mag. arcs	7.50 8.50 11.00 45.00 46.00 45.00	33,805.25	††
Brantford Twp.	.....	319	100 watt *m*	13.00	3,846.90	**
Brechin	.....	26	100 watt *m*	10.00	520.00	**
Bridgeport	.....	40	100 watt *m*	20.00	367.50	‡
Brigden	.....	41 18	60 watt *m* 100 watt *m*	12.00 16.00	782.00	**
Brockville	9,133	554 15 40 51	100 c.p. *s* 1-Lt. std. *m* 3-Lt. stds. *m* 5-Lt. stds. *m*	12.00 18.00 22.00 25.00	9,028.00	0.99
Brussels	771	79 18	100 watt *m* 200 watt *m*	13.00 20.00	1,387.00	1.80
Burford	.....	67	100 watt *m*	13.00	888.00	**
Burgessville	.....	23	100 watt *m*	14.00	322.00	**
Caledonia	1,460	160 20	100 watt *m* 200 watt *m*	8.00 13.00	1,522.73	1.04
Campbellville	.....	19	100 watt *m*	24.00	456.00	**
Cannington	890	73	100 watt *m*	15.00	1,088.75	1.22
Carleton Place	4,228	259	60 watt *m*	11.00	2,849.00	0.67
Cayuga	698	77	100 watt *m*	18.00	1,384.50	1.98

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges. ‡Nine months operation.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Chatham	14,727	37 709 90 68	150 c.p. *s* 150 c.p. *s* 600 c.p. *s* 1,000 c.p. *s*	12.00 13.00 30.00 38.00	14,925.27	1.01
Chatsworth	316	15 26	150 watt *m* 100 watt *m*	14.00 11.00	496.00	1.57
Chesley	1,722	113	100 c.p. *s*	15.00	1,682.50	0.98
Chesterville	1,036	86	100 watt *m*	12.00	1,032.00	0.99
Chippawa	1,129	83	100 watt *m*	12.00	996.00	0.88
Clifford	536	54	100 watt *m*	16.00	857.36	1.60
Clinton	1,981	157 11	150 c.p. *s* 100 watt *m*	11.00 11.00	1,938.49	0.98
Coldwater	606	48	100 watt *m*	11.00	528.00	0.87
Collingwood	5,728	419	150 c.p. *s*	8.00	3,352.00	0.58
Comber	.....	54	100 watt *m*	12.00	648.00	**
Cookstown	.....	56	100 c.p. *s*	18.00	1,008.00	**
Cottam	.....	24	100 watt *m*	18.00	440.00	**
Courtright	396	43	100 watt *m*	20.00	850.00	2.15
Creemore	643	59	100 watt *m*	10.00	579.24	0.90
Dashwood	.....	41	100 watt *m*	14.00	574.00	**
Delaware	.....	19	100 watt *m*	13.00	247.00	**
Dorchester	.....	42	100 watt *m*	12.00	501.09	**
Drayton	593	70	100 watt *m*	12.00	840.00	1.41
Dresden	1,396	127 15	100 c.p. *s* 40 watt *m*	14.00 4.00	1,806.78	1.29
Drumbo	.....	38	100 watt *m*	15.00	570.00	**
Dublin	.....	44	100 watt *m*	18.00	774.00	**
Dundalk	558	93	100 watt *m*	9.00	837.00	1.50
Dundas	5,005	318 10 7	100 watt *m* 200 watt *m* 500 watt *m*	11.00 16.00 36.00	3,909.65	0.78
Dunnville	3,387	235 27	100 c.p. *s* 600 c.p. *s*	12.00 50.00	4,154.08	1.23
Durham	1,694	110	150 c.p. *s*	16.00	1,758.47	1.04
Dutton	800	104	100 watt *m*	9.00	942.75	1.18

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Elmira	2,572	188	100 watt *m*	9.00	1,796.00	0.70
		8	200 watt *m*	13.00		
Elmvale	.....	59	100 watt *m*	13.00	766.98	**
Elmwood	.....	23	150 watt *m*	21.00	483.00	**
Elora	1,170	101	100 watt *m*	16.00	1,602.59	1.37
Embro	443	54	100 watt *m*	14.00	756.00	1.71
Erieau	226	21	100 watt *m*	20.00	420.00	
Essex	1,809	106	60 watt *m*	11.00	1,508.25	0.83
		30	100 watt *m*	15.00		
		4	200 watt *m*	24.00		
Etobicoke Twp.	.....	1,024	100 watt *m*	13.00	12,704.82	*
Exeter	1,590	164	100 watt *m*	9.00	1,881.24	1.18
		23	200 watt *m*	18.00		
Fergus	2,184	126	100 watt *m*	16.00	2,560.34	1.17
		30	150 watt *m*	18.50		
Finch	361	31	100 watt *m*	28.00	795.60	2.20
Flesherton	412	49	100 watt *m*	10.00	490.00	1.19
Fonthill	708	60	100 watt *m*	12.00	720.00	1.02
Ford City	13,105	302	100 watt *m*	9.00	7,362.42	††
		119	200 watt *m*	16.00		
		126	300 watt *m*	22.00		
Forest	1,443	123	100 watt *m*	11.00	2,253.00	1.56
		131	60 watt *m*	7.00		
Fort William	22,518	152	1,000 c.p. *s*	45.00	17,778.00	0.79
		49	600 c.p. *s*	30.00		
		382	150 c.p. *s*	8.50		
		206	100 watt *m*	8.50		
		100	Arcs	45.00		
Galt	12,576	4	100 c.p. *s*	12.00	20,904.02	1.67
		975	100 c.p. *s*	9.00		
		316	100 watt *m*	12.00		
		152	300 watt *m*	35.00		
		74	500 watt *m*	40.00		
Georgetown	1,970	170	100 watt *m*	12.00	2,272.09	‡
		1	300 watt *m*	19.00		
		17	100 watt *m*	13.00		
Glencoe	782	101	100 watt *m*	16.00	1,874.00	2.40
		23	200 watt *m*	23.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges. ‡Includes Glen Williams.
†Summer population not in statistics.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Goderich	4,242	316	100 c.p. *s*	9.00	3,728.50	0.88
		8	100 watt *m*	15.00		
		8	200 watt *m*	25.00		
		16	3-Lt. stds. *m*	35.00		
Grand Valley	546	52	100 watt *m*	16.00	832.00	1.53
Granton	.....	35	100 watt *m*	10.00	350.00	**
Gravenhurst	1,722	16	100 watt *m*	11.00	1,629.00	0.95
		112	100 c.p. *s*	11.00		
		11	150 c.p. *s*	13.00		
Guelph	19,007	8	500 watt *m*	34.00	16,944.23	0.89
		18	60 watt *m*	4.00		
		1485	100 watt *m*	10.00		
		31	200 watt *m*	12.50		
		15	300 watt *m*	18.75		
		1	500 watt *m*	25.00		
		43	1,000 watt *m*	46.50		
		1	750 watt *m*	43.00		
Hagersville	1,227	100	100 watt *m*	12.00	1,200.00	0.98
Hamilton	123,359	8127	100 watt *m*	7.50	90,643.33	0.73
		1065	200 watt *m*	11.00		
		22	300 watt *m*	18.00		
		396	500 watt *m*	37.00		
		41	750 watt *m*	55.00		
		26	500 watt *m*	32.00		
Hanover	2,700	16	400 c.p. *s*	32.00	3,461.16	1.28
		91	150 c.p. *s*	27.00		
		12	200 watt *m*	32.00		
		4	100 watt *m*	27.00		
Harriston	1,237	89	150 c.p. *s*	12.00	1,330.00	1.08
		17	100 watt *m*	12.00		
Harrow	.....	59	100 watt *m*	13.00	756.03	**
Havelock	1,069	63	100 c.p. *s*	18.00	1,566.00	1.47
		16	250 c.p. *s*	27.00		
Hensall	732	76	100 watt *m*	12.00	875.63	1.20
Hespeler	2,815	111	100 c.p. *s*	10.00	2,300.00	0.81
		16	400 c.p. *s*	20.00		
		26	250 c.p. *s*	16.00		
		7	300 watt *m*	35.00		
		124	100 watt *m*	10.00		
Highgate	398	50	100 watt *m*	11.00	550.00	1.38
Holstein	.....	14	100 watt *m*	35.00	490.00	**
Humberstone	1,766	106	100 watt *m*	12.00	1,272.00	0.72

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Huntsville	2,708	39	100 c.p. *s*	12.00	2,184.00	0.81
		15	400 c.p. *s*	36.00		
		20	150 c.p. *s*	14.00		
		10	50 watt *m*	10.00		
		58	75 watt *m*	10.00		
		27	50 watt *m*	8.00		
Ingersoll	4,997	13	100 c.p. Pks. *s*	5.50	4,568.08 ‡	0.93
		320	100 c.p. *s*	11.00		
		2	600 c.p. *s*	28.00		
		2	1,000 c.p. *s*	25.00		
		26	1,000 c.p. *s*	35.00		
Jarvis	468	56	100 watt *m*	14.00	784.00	1.68
Kemptville	1,163	78	100 watt *m*	20.50	1,599.00	1.37
Kincardine	2,189	114	150 c.p. *s*	24.00	3,890.00	1.78
		13	400 c.p. *s*	29.00		
		19	100 watt *m*	18.00		
		15	200 watt *m*	29.00		
Kingston	21,633	84	100 c.p. *s*	.....	20,000.00	0.93
		429	600 c.p. *s*			
		61	1,000 c.p. *s*			
Kingsville	2,346	138	250 c.p. *s*	20.00	4,096.00	††
		100	60 watt *m*	12.00		
Kirkfield	.....	23	100 watt *m*	20.00	460.00	**
Kitchener	25,856	43	16 c.p. *s*	7.00	31,861.64	1.23
		1940	80 c.p. *s*	9.00		
		59	100 watt *s*	9.00		
		342	200 watt *m*	15.00		
		22	250 c.p. *m*	13.00		
		65	300 watt *m*	17.50		
		27	300 watt *m*	15.00		
		77	300 watt *m*	20.00		
		145	500 watt *m*	25.00		
		18	1,000 c.p. *m*	25.00		
Lakefield	1,343	101	100 watt *m*	18.00	1,818.00	1.35
Lambeth	.....	32	100 watt *m*	13.00	439.00	**
		1	200 watt *m*	23.00		
Lanark	549	37	100 watt *m*	20.00	733.40	1.34
Lancaster	588	41	100 watt *m*	36.50	1,496.50	2.55
La Salle	647	64	100 watt *m*	17.00	1,088.04	1.68
Leamington	5,011	149	100 watt *m*	13.00	6,699.80	††
		20	200 watt *m*	17.00		
		141	400 c.p. *s*	28.00		
		38	600 c.p. *s*	33.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.
‡Installation and renewals paid by church.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Lindsay	7,296	395	100 c.p. *s*	15.00	6,364.65	‡
		25	1,000 c.p. *s*	70.00		
Listowel	2,448	138	60 watt *m*	9.00	3,177.95	1.30
		114	100 watt *m*	11.00		
		7	200 watt *m*	25.00		
		24	300 watt *m*	30.00		
		3	500 watt *m*	35.00		
London	64,293	188	600 c.p. *s*	35.00	44,236.64	††
		2267	150 c.p. *s*	11.00		
		354	400 c.p. *s*	28.00		
		89	500 watt *m*	45.00		
		22	267 watt *m*	22.00		
		27	200 watt *m*	15.00		
		146	100 watt *m*	11.00		
London Twp.	.....	51	100 watt *m*	12.00	612.00	**
Lucan	538	69	100 watt *m*	15.00	1,027.85	1.91
Lucknow	1,026	41	100 watt *m*	22.00	1,263.18	1.23
		18	200 watt *m*	32.00		
Lynden	.....	37	100 watt *m*	10.00	374.18	**
Markdale	871	84	150 c.p. *s*	8.00	672.00	0.77
Markham	956	20	60 watt *m*	11.50	1,430.00	1.50
		80	100 watt *m*	15.00		
Marmora	876	87	100 watt *m*	18.00	1,566.00	1.79
Martintown	.....	15	100 watt *m*	20.00	300.00	**
Maxville	782	59	150 c.p. *s*	30.00	1,770.05	2.26
Meaford	2,715	157	150 c.p. *s*	14.00	3,046.79	1.12
		35	200 watt *m*	24.00		
		9	100 watt *m*	14.00		
Merlin	.....	43	100 watt *m*	16.00	688.00	**
Merriton	2,520	305	100 watt *m*	9.00	2,565.00	1.02
Midland	7,902	359	150 c.p. *s*	10.00	5,947.92	0.77
		30	300 watt *m*	22.00		
		36	500 watt *m*	40.00		
Milton	1,875	201	100 watt *m*	10.00	2,170.10	1.16
Milverton	947	94	100 watt *m*	9.00	990.00	1.05
		12	200 watt *m*	12.00		
Mimico	5,491	213	100 watt *m*	15.00	5,706.13	1.04
		110	200 watt *m*	23.00		
		2	300 watt *m*	30.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges. ‡Nine months operation.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Mitchell	1,640	216	100 c.p. *s*	9.00	1,944.00	1.19
Moorefield	.....	25	100 watt *m*	15.00	375.00	**
Mount Brydges	.....	40	100 watt *m*	11.00	440.00	**
Mount Forest	1,829	134	150 c.p. *s*	13.00	2,562.12	1.40
		39	250 c.p. *s*	16.00		
		16	100 watt *m*	13.00		
Neustadt	449	39	150 c.p. *s*	25.00	975.00	2.17
Newbury	285	46	100 watt *m*	15.00	690.00	2.42
New Hamburg	1,394	244	100 watt *m*	9.00	2,198.25	1.58
New Toronto	5,023	76	75 watt *m*	16.00	6,786.68	1.35
		11	100 watt *m*	19.50		
		56	75 watt *m*	17.50		
		73	75 watt *m*	18.00		
		4	100 watt *m*	18.50		
		19	200 watt *m*	22.50		
		39	200 watt *m*	23.00		
		84	500 watt *m*	34.50		
Niagara Falls	18,492	762	100 c.p. *s*	12.00	30,709.00	1.63
		58	600 c.p. *s*	57.00		
		125	600 c.p. *s*	57.00		
		196	1,000 c.p. *s*	57.00		
Niagara-on-the-Lake	1,605	202	100 watt *m*	10.00	2,410.34	1.50
		22	200 watt *m*	18.00		
Nipigon	.....	20	150 watt *m*	25.00	500.00	**
Norwich	1,297	114	100 watt *m*	10.00	1,920.00	1.48
		22	400 watt *m*	35.00		
Norwood	754	78	100 c.p. *s*	20.00	1,725.00	2.29
		6	100 c.p. *s*	23.00		
		1	100 c.p. *s*	27.00		
Oil Springs	428	41	100 watt *m*	18.00	738.00	1.72
Omemee	517	42	150 c.p. *s*	14.00	868.00	1.68
		10	400 c.p. *s*	28.00		
Orangeville	2,669	59	400 c.p. *s*	25.00	3,242.09	1.21
		94	150 c.p. *s*	19.00		
Ottawa	119,254	59	Arcs.	45.00	41,605.20	0.35
		394	100 c.p. *s*	7.00		
		629	400 c.p. *s*	25.00		
		749	600 c.p. *s*	35.00		
		406	100 watt *m*	6.00		
		2900	100 watt *m*	48c per ft.	18,673.32	‡
Otterville	.....	31	100 watt *m*	12.00	372.00	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system
‡Collected as local improvement on frontage basis and not included in average cost.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Owen Sound	12,234	374	100 c.p. *s*	13.00	9,893.50	0.81
		70	150 c.p. *s*	13.50		
		106	250 c.p. *s*	16.50		
		3	300 c.p. *s*	19.50		
		29	400 c.p. *s*	23.00		
Paisley	720	88	100 watt *m*	16.00	1,408.00	1.96
Palmerston	1,708	100	80 c.p. *s*	9.00	1,423.92	0.83
		10	100 c.p. *s*	10.00		
		8	250 c.p. *s*	25.00		
		10	60 watt *m*	9.00		
		2	40 watt *m*	9.00		
		2	250 watt *m*	25.00		
		3	300 watt *m*	25.00		
Paris	4,130	448	100 c.p. *s*	9.00	6,310.50	1.53
		13	400 c.p. *s*	42.00		
		33	500 watt *m*	52.50		
Parkhill	964	77	100 watt *m*	14.00	1,418.50	1.47
		15	200 watt *m*	23.00		
Penetanguishene	3,945	186	150 c.p. *s*	10.00	1,860.00	0.47
Perth	3,664	65	100 c.p. *s*	20.00	2,824.42	0.77
		14	250 c.p. *s*	34.00		
		4	400 c.p. *s*	40.00		
		16	600 c.p. *s*	60.00		
Peterborough	21,519	531	60 watt *m*	9.00	17,872.51	0.83
		369	100 watt *m*	10.00		
		258	300 watt *m*	18.00		
		1	500 watt *m*	34.00		
		113	400 c.p. *s*	43.00		
Petrolia	2,583	145	150 c.p. *s*	11.00	2,532.60	0.98
		24	600 c.p. *s*	38.00		
Picton	3,288	213	100 c.p. *s*	10.00	3,575.04	1.09
		85	250 c.p. *s*	17.00		
Plattsville	.....	34	100 watt *m*	16.00	543.65	**
Point Edward	1,400	58	150 c.p. *s*	12.00	696.00	0.50
Port Arthur	17,413	.....	.....	.....	14,195.04	0.82
Port Colborne	5,374	26	100 watt *m*	14.00	5,076.48	0.94
		228	100 watt *m*	13.00		
		116	200 watt *m*	17.00		
Port Credit	1,350	143	100 watt *m*	10.00	2,581.00	1.91
		92	200 watt *m*	16.00		
Port Dalhousie	1,554	111	100 watt *m*	12.50	1,369.16	0.88

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Port Dover	1,544	140 19	100 watt *m* 300 watt *m*	15.00 35.00	2,366.46	1.53
Port McNicoll	783	44	100 watt *m*	13.00	572.00	0.73
Port Perry	1,155	96	100 watt *m*	15.00	1,448.00	1.25
Port Rowan	696	51	100 watt *m*	22.00	1,122.00	1.61
Port Stanley	690	172	100 watt *m*	12.00	2,008.00	†
Prescott	2,709	164 105	100 watt *m* 2-Lt. brckts. *m*	10.00 17.00	3,425.00	1.26
Preston	5,622	331 34 6 9 6	150 c.p. *s* 1,000 c.p. *s* 1,000 c.p., Br. *s* 400 c.p., Br. *s* 5-Lt. stds. *s*	10.00 35.00 35.00 20.00 35.00	5,050.00	0.90
Priceville	.....	14	100 watt *m*	40.00	560.00	**
Princeton	.....	24	100 watt *m*	16.00	384.00	**
Queenston	.....	34	100 watt *m*	16.00	543.96	**
Richmond	368	23	100 watt *m*	31.50	241.50	‡
Richmond Hill	1,197	6 17 98	200 watt *m* 100 watt *m* 75 watt *m*	17.00 13.00 12.00	1,341.00	1.12
Ridgetown	1,942	184 18	100 c.p. *s* 400 c.p. *s*	11.00 25.00	2,391.45	1.23
Ripley	420	49	100 watt *m*	27.00	1,323.00	3.15
Riverside	3,909	74 78 180	200 watt *m* 250 watt *m* 100 watt *m*	20.00 15.00 11.00	3,426.45	††
Rockwood	.....	83	100 watt *m*	10.00	830.04	**
Rodney	760	83	100 watt *m*	10.00	848.70	1.12
Russell	.....	46	100 watt *m*	22.00	1,012.00	**
St. Catharines	22,376	3030	100 watt *m*	7.50	22,837.67	1.02
St. George	.....	37	100 watt *m*	8.00	294.00	**
St. Jacobs	.....	43	100 watt *m*	12.00	516.00	**
St. Marys	4,007	230 133	100 c.p. *s* 250 c.p. *s*	8.00 12.00	3,397.00	0.85
St. Thomas	16,586	1066 28 114	100 c.p. *s* 250 c.p. *s* 600 c.p. *s*	9.00 13.00 36.00	14,061.96	0.85

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges. ‡Four months' operation.
†Summer population not in statistics.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Sandwich	9,407	225	100 c.p. *s*	12.00	8,318.15	††
		279	100 c.p. *s*	13.00		
		58	400 c.p. *s*	26.00		
		10	100 watt *m*	13.00		
		16	400 c.p. *s*	28.00		
Sarnia	16,066	777	150 c.p. *s*	12.00	12,698.46	0.79
		78	1,000 c.p. *s*	43.00		
		19	500 c.p. *s*	34.00		
Scarboro Twp.		287	100 c.p. *s*	17.00	10,574.56	**
		390	100 watt *m*	15.00		
		2	Subway	19.00		
Seaforth	1,751	60	80 c.p. *s*	9.00	1,520.00	0.87
		58	100 c.p. *s*	10.00		
		20	300 watt *m*	20.00		
Shelburne	1,000	95	150 c.p. *s*	12.00	1,140.00	1.14
Simcoe	4,491	274	100 c.p. *s*	9.00	3,602.53	0.80
		27	1,000 c.p. *s*	40.00		
		11	150 watt *m*	9.00		
		2	500 watt *m*	53.00		
Smiths Falls	7,006	18	60 watt *m*	10.00	7,176.00	1.02
		218	100 watt *m*	20.00		
		94	300 watt *m*	25.00		
			Beacon light	312.00		
Springfield	394	50	100 watt *m*	13.00	611.00	1.55
Stamford Twp.		600	100 watt *m*	10.00	5,750.00	**
Stayner	951	76	150 c.p. *s*	14.00	1,388.00	1.46
		18	200 watt *m*	18.00		
Stouffville	1,080	101	100 watt *m*	15.00	1,482.50	1.37
Stratford	18,058	840	150 c.p. *s*	10.50	15,338.27	0.85
		63	1,000 c.p. *s*	25.00		
		166	1,000 c.p. *s*	30.00		
		12	1,000 c.p. *s*	35.00		
Strathroy	2,605	320	100 c.p. *s*	9.00	3,376.00	1.30
		34	250 c.p. *s*	15.00		
Sunderland		31	100 watt *m*	18.00	558.00	**
Sutton	747	108	100 watt *m*	15.00	1,981.60	2.65
		19	200 watt *m*	19.00		
Tara	511	67	100 watt *m*	25.00	1,675.00	3.28
Tavistock	993	72	100 watt *m*	10.00	1,214.11	1.22
		35	200 watt *m*	12.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Tecumseh	1,951	17	400 c.p. *s*	24.00	1,231.00	††
		60	100 watt *m*	14.00		
Teeswater	805	20	400 c.p. *s*	45.00	1,908.00	2.37
		36	150 c.p. *s*	28.00		
Thamesford	....	46	100 watt *m*	12.00	552.00	**
Thamesville	817	61	100 watt *m*	9.00	1,053.00	1.29
		27	200 watt *m*	14.00		
		7	200 watt *m*	18.00		
Thedford	558	69	100 watt *m*	16.00	1,088.00	1.95
Thorndale	....	31	100 watt *m*	12.00	372.00	**
Thornton	....	21	100 watt *m*	40.00	840.00	**
Thorold	4,957	285	60 watt *m*	9.00	3,820.00	0.77
		73	100 watt *m*	10.00		
		35	200 watt *m*	15.00		
Tilbury	1,996	117	100 watt *m*	10.00	1,140.81	0.57
Tillsonburg	3,238	254	100 c.p. *s*	9.00	3,100.50	0.96
		48	250 c.p. *s*	15.00		
		2	1,000 c.p. *s*	48.00		
Toronto	556,691	6	50 watt *m*	6.56	483,373.28	0.87
		6	60 watt *m*	4.80		
		45057	100 watt *m*	8.00– 9.20		
		107	150 watt *m*	12.00–15.00		
		1629	200 watt *m*	18.00–23.00		
		85	250 watt *m*	20.00–24.50		
		1351	300 watt *m*	28.00		
		71	500 watt *m*	45.00		
		5	1,000 watt *m*	90.00		
		371	5-Lt. stds., 100 watt *m*	47.50		
		24	1-Lt. stds., 500 watt *m*	52.50		
		395	1-Lt. stds., 300 watt *m*	50.00		
		68	1-Lt. stds., 500 watt *m*	47.50		
Toronto Twp	....	348	100 watt *m*	13.00	4,104.87	**
Tottenham	608	49	150 c.p. *s*	25.00	1,225.08	2.02
Uxbridge	1,404	129	100 watt *m*	14.00	1,806.00	1.29
Victoria Harbor	1,397	76	100 watt *m*	12.00	912.00	0.65
Walkerville	9,852	109	300 watt *m*	19.00	14,999.75	††
		56	600 c.p. *s*	55.00		
		284	100 watt *m*	10.00		
		510	150 watt *m*	12.00		
		102	200 watt *m*	14.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Wallaceburg	4,145	184	150 c.p. *s*	12.00	2,954.00	0.71
		30	600 c.p. *s*	25.00		
		3	1,000 c.p. *s*	38.00		
Wardsville	212	34	75 watt *m*	20.00	680.00	3.21
Warkworth	.....	24	100 watt *m*	25.00	864.00	**
		6	200 watt *m*	44.00		
Waterdown	817	75	100 watt *m*	11.00	930.00	1.14
		6	200 watt *m*	17.50		
Waterford	1,030	174	100 watt *m*	9.00	1,614.60	1.57
Waterloo	7,135	346	100 c.p. *s*	8.00	6,653.31	0.93
		125	150 c.p. *s*	10.00		
		44	5-Lt. stds. *m*	36.00		
		10	3-Lt. stds. *m*	25.00		
		12	200 watt *m*	12.00		
		38	150 watt *m*	10.00		
		6	500 watt *m*	35.00		
		3	500 watt *m*	30.00		
Watford	1,031	87	100 watt *m*	11.00	1,153.20	1.12
		11	200 watt *m*	18.00		
Waubaushene	.....	41	100 watt *m*	11.00	434.50	**
Welland	9,664	109	400 watt *m*	30.00	8,564.17	0.89
		408	100 watt *m*	11.00		
		112	200 watt *m*	18.00		
		6	500 watt *m*	28.00		
Wellesley	.....	60	100 watt *m*	12.00	710.00	**
Wellington	822	68	100 c.p. *s*	13.00	877.48	1.07
West Lorne	805	83	100 watt *m*	10.00	1,010.04	1.25
		10	200 watt *m*	18.00		
Weston	4,136	109	600 c.p. *s*	36.00	8,111.86	1.96
		424	100 c.p. *s*	7.50		
		5	5-Lt. stds. *m*	23.00		
		2	100 watt *m*	7.50		
		2	25 watt *m*	5.00		
		20	300 watt *m*	11.50		
		2	Signs	125.00		
Wheatley	717	70	100 watt *m*	14.00	1,534.86	2.14
		39	300 watt *m*	29.00		
Whitby	3,422	121	100 c.p. *s*	10.00	3,132.71	0.92
		134	80 c.p. *s*	9.00		
		112	100 watt *m*	7.50		
		3	500 watt *m*	11.50		
Williamsburg	.....	18	100 watt *m*	13.00	234.00	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1928, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Winchester	1,068	117	100 watt *m*	9.00	1,053.00	0.99
Windsor	61,095	2037	100 c.p. *s*	12.00	80,681.19	††
		772	100 c.p. *s*	13.00		
		836	400 c.p. *s*	26.00		
		628	600 c.p. *s*	45.00		
Wingham	2,316	25	400 c.p. *s*	33.00	3,459.66	1.49
		96	150 c.p. *s*	20.00		
		22	200 watt *m*	33.00		
Woodbridge	700	81	100 watt *m*	11.00	900.00	1.29
Woodstock	10,106	4	300 c.p. *s*	24.00	6,950.91	0.69
		529	100 c.p. *s*	8.00		
		15	250 c.p. *s*	20.00		
		172	60 watt *m*	8.00		
		107	100 watt *m*	8.00		
Woodville	415	30	100 watt *m*	14.00	528.00	1.27
		36	200 watt *m*	22.00		
Wyoming	499	50	100 watt *m*	16.00	800.00	1.60
York East Twp.	.....	838	100 watt *m*	16.50	14,494.53	**
		1	500 watt *m*	30.00		
		60	300 watt *m*	21.00-34.00		
		14	500 watt *m*	32.00		
York North Twp.	.....	40	100 watt *m*	12.00	2,409.37	**
		19	100 watt *m*	14.00		
		65	200 watt *m*	24.50		
		6	100 watt *m*	16.50		
Zurich	.....	62	100 watt *m*	11.00	681.96	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "D"

Statistics Relating to the Supply of Electrical Energy to Consumers in Ontario Municipalities Served by the Hydro-Electric Power Commission

The following tabulation of various statistical data relating to the supply of electrical energy to consumers in municipalities receiving power at cost from the Commission sets forth, regarding the results of operation from the standpoint of the consumers, much useful and interesting information.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or of the smallness of the quantity of power required by the municipality, the cost per horsepower to the municipality —and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D," respecting the average cost to the consumer per kilowatt-hour in the cases of domestic service and commercial light service and per horsepower in the case of power service. It will be observed that the total amount of the energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D," and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 30 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D," and used for purposes of calculating the net cost to the consumer per kilowatt-hour or per horsepower, are the total revenues contributed by the consumers, and include, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should specially be noted that the average cost per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give very misleading results. The average costs per kilowatt-hour and per horsepower, as given in Statement "D" for the respective classes of service in each municipality, are simply the statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours or horsepower sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour or per horsepower to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where the average costs to the consumers per kilowatt-hour or per horsepower are substantially lower in one municipality than in another, though the rates are higher.

With respect to domestic service, for example, instances will be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 100 per cent. Such variations are principally due to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

Similarly, in the case of power service, the average cost per horsepower cannot be taken as a conclusive indication of the rates for service. The quantity of power taken by a consumer, as measured in horsepower, is, in the case of hydro-electric power supplied to industries at cost, the most important factor affecting costs and revenues, but it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the quantity of energy consumed, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month.*†

*In interpreting the statistics for power service, it should be remembered that a greater average energy consumption per horsepower sold increases the "average cost per horsepower" to the consumer, and in this respect the "average cost per horsepower" is analogous to the "average monthly bill" in the case of domestic and commercial services rather than to the "net cost per kilowatt-hour." It will be observed that, in the case of domestic service, in two municipalities with the same rates, or in one municipality in different years when no change of rates has been made, a higher average monthly bill denotes an increased average monthly consumption per consumer and a lower average cost per kilowatt-hour to the consumer. In the same way, in the case of power service, in two municipalities with the same rates, or in one municipality in different years with no change in rates, a higher average cost per horsepower denotes a more continuous use of the power and a lower average cost per kilowatt-hour to the consumer.

†In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *no criterion of rates* even with similar forms of rate schedules and for the same class of service. Much less is it an indication of rates when revenues and consumptions of all classes of service, and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community, a lower "average revenue per kilowatt-hour." This will readily be perceived from a simple arithmetical example.

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	$	kw-hr.	cents	$
Residence	1,000,000	4	40,000	3,000,000	3	90,000
Power	9,000,000	1	90,000	7,000,000	0.75	52,500
Total	10,000,000	.....	130,000	10,000,000	.....	142,500
Average revenue	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent *less*.

In this instance, the key to the situation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil an important function in affording a general measure of the *economy of service* to "Hydro" consumers that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made economically possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for effecting comparisons. In researches respecting rates to consumers the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E," or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively, of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and character of the loads supplied under the various classifications by the local electrical utility to the ultimate consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, suburban areas (which are comparable in respect of conditions of supply to the smaller towns and villages) and certain rural areas. The populations and the approximate transmission distances are also given.

A feature of the electrical service in Ontario municipalities is the strikingly large average annual consumption per domestic consumer. There are in all about 140 Ontario municipalities where the average annual consumption per domestic consumer is in excess of 600 kilowatt-hours. Of the 72 cities and towns with populations of 2,000 or more—in which over 85 per cent. of the domestic consumers of the undertaking are served—no less than 42 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 22 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 7 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

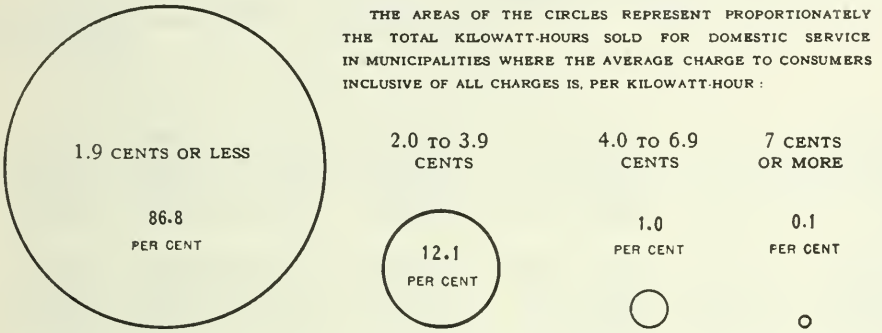
The high average consumption for domestic service results essentially from the policy of the undertaking in providing electrical service "at cost"; the rate schedules scientifically designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent.) are in common use, and even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of less than $2.50 when he obtains the benefit of a follow-up rate of 1.8 cents net. This places the cost of electric cooking within the reach of nearly every domestic consumer.

COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

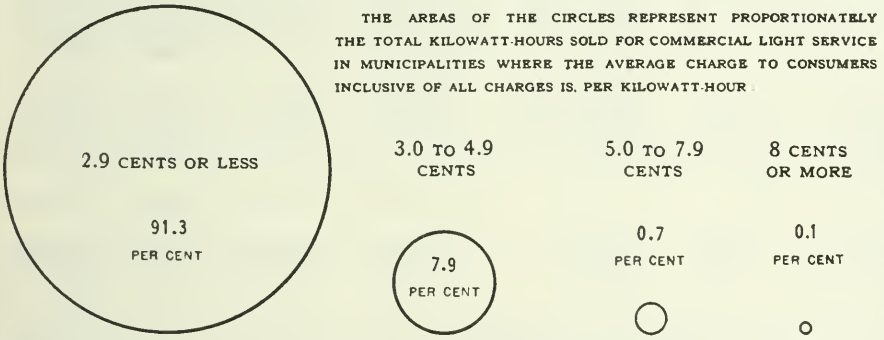
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR :



COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR :



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR :

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr	$ c.	cts.
Brantford	Nia.	27,739	79	147,310.28	9,516,369	6,075	132	2.04	1.5
Chatham	Nia.	14,727	193	70,881.72	4,058,135	3,688	95	1.66	1.7
Fort William	T. B.	22,518	87	161,194.49	23,637,656	5,399	372	2.53	†
Galt	Nia.	12,576	92	102,358.16	5,293,417	3,326	133	2.58	1.9
Guelph	Nia.	19,007	75	84,210.34	5,225,731	4,763	92	1.48	1.6
Hamilton	Nia.	123,359	53	665,475.43	43,145,849	28,892	124	1.91	1.5
Kingston	C. O.	21,633	50	94,693.51	3,377,195	5,087	56	1.57	2.8
Kitchener	Nia.	25,856	95	158,947.57	9,333,869	6,101	131	2.22	1.7
London	Nia.	64,293	123	407,173.65	27,116,647	16,319	140	2.09	1.5
Niagara Falls	Nia.	18,492	1	138,085.08	12,795,830	4,270	251	2.74	1.1
Ottawa	Ott.	119,254	1	278,094.78	31,871,129	11,568	231	2.02	0.9
Owen Sound	G. B.	12,234	32	47,560.02	2,644,154	2,894	76	1.38	1.8
Peterborough	C. O.	21,519	2	103,040.60	4,548,595	5,134	74	1.67	2.2
Port Arthur	T. B.	17,413	73	93,471.98	6,979,884	3,891	149	2.00	1.3
St. Catharines	Nia.	22,376	18	124,048.65	10,053,695	5,550	153	1.89	1.2
St. Thomas	Nia.	16,586	134	86,945.73	5,615,090	4,041	116	1.80	1.5
Sarnia	Nia.	16,066	205	93,853.51	4,504,272	4,324	87	1.81	2.1
Stratford	Nia.	18,058	119	139,585.51	7,661,258	4,180	153	2.78	1.8
Toronto	Nia.	556,691	78	2,758,056.65	170,197,696	136,227	104	1.68	1.6
Toronto D.C. & 60 cycle*	.....	.....	.....	91,711.14	2,824,041	1,875	125	4.07	3.2
Welland	Nia.	9,664	14	52,707.76	2,714,667	2,149	105	2.05	1.9
Windsor	Nia.	61,095	238	524,184.48	32,168,536	14,776	188	3.06	1.6
Woodstock	Nia.	10,106	94	69,559.31	4,420,020	2,672	139	2.19	1.5

*This,—with the exception of a relatively small D.C. power load,—is a special service not created by the Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. The service has been continued at the request of the customers who preferred to retain the electrical apparatus installed for this special service, and has been continued at the rates prevailing before the service was acquired by the Commission.

†Not on standard rates.

Group II—TOWNS

			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Alexandria	St. L.	2,267	30	6,912.24	111,224	281	33	2.08	6.2
Amherstburg	Nia.	3,000	257	18,810.12	698,785	604	97	2.61	2.6
Aylmer	Nia.	2,168	145	11,667.91	401,067	590	58	1.69	2.9
Barrie	G. B.	7,175	48	36,511.79	2,385,374	1,687	117	1.79	1.5
Brampton	Nia.	4,897	78	29,050.77	1,919,684	1,303	124	1.87	1.5
Brockville	St. L.	9,133	62	31,410.58	1,132,706	2,317	41	1.14	2.8
Carleton Place	Rid.	4,228	47	18,363.58	431,840	878	43	1.86	4.2
Collingwood	G. B.	5,728	24	25,460.19	1,048,986	1,338	64	1.59	2.4
Dundas	Nia.	5,005	52	17,987.58	993,171	1,171	76	1.37	1.8
Dunnville	Nia.	3,387	37	9,476.55	327,654	531	53	1.53	2.9

"D"

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

Population, 10,000 or more

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
53,111.47	2,905,119	694	355	4.05	1.1	138,897.94	105	7,213	19.25	6,874
58,388.59	2,521,195	701	306	7.09	2.3	76,520.32	126	3,656	20.93	4,515
63,136.08	3,007,941	926	276	5.80	†	73,483.31	109	3,833	†	6,434
45,643.16	1,993,592	497	334	7.64	2.3	86,277.69	121	4,057	21.26	3,944
48,776.76	2,438,482	676	303	6.07	2.0	120,170.46	125	6,607	18.19	5,564
148,218.82	12,028,547	3,105	322	3.97	1.2	765,833.15	790	43,541	17.59	32,787
72,604.16	2,658,082	858	269	7.36	2.7	71,228.51	125	3,858	18.46	6,070
93,380.36	4,883,964	866	481	9.19	1.9	242,510.92	230	11,853	20.46	7,197
194,574.65	10,612,372	2,377	385	7.06	1.8	442,584.14	517	19,379	22.81	19,213
54,356.83	4,227,260	682	533	6.86	1.2	78,823.45	88	3,720	21.18	5,040
133,523.10	8,300,465	1,453	470	7.56	1.6	89,924.36	193	6,000	14.98	13,214
29,358.76	1,790,359	536	277	4.54	1.6	28,722.98	113	1,744	16.47	3,543
66,794.97	2,900,050	995	262	6.05	2.3	100,558.54	152	5,029	19.99	6,281
60,415.45	3,296,677	751	366	6.70	1.8	853,678.93	103	42,976	19.86	4,745
27,848.27	2,062,440	550	314	4.25	1.3	73,900.45	132	4,832	15.29	6,232
43,104.78	2,324,738	639	305	5.65	1.8	61,047.63	104	3,446	17.71	4,784
45,443.81	2,032,277	585	291	6.52	2.2	144,533.00	82	4,326	33.41	4,991
44,028.34	1,477,681	580	214	6.37	2.9	57,609.30	135	2,450	23.51	4,895
2,221,377.21	95,019,498	22,647	349	8.17	2.3	2,608,348.53	3,646	104,100	25.05	162,520
362,216.55	9,027,442	2,187	344	13.80	4.0	686,131.21	1,278	20,097	34.14	5,340
32,678.14	1,469,847	410	303	6.75	2.2	67,821.50	83	3,198	21.20	2,642
262,490.32	13,553,989	2,230	538	10.43	1.9	216,842.95	350	8,752	24.77	17,356
39,964.58	2,144,773	451	404	7.53	1.8	48,240.78	93	2,850	16.92	3,216

NOTE.—The figures for power service for Toronto do not include street railway power, exhibition power and bulk supply to certain other municipalities for street lighting purposes.

NOTE.—The above group of 22 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

Population, 2,000 or more

$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
4,576.93	87,654	106	70	3.70	5.2	9,482.33	14	228	41.58	401
8,243.91	228,596	149	135	4.88	3.6	4,092.42	16	178	22.99	769
8,914.82	289,846	126	191	6.62	3.1	5,429.90	13	239	22.71	729
18,506.20	995,018	329	255	4.75	1.9	14,752.26	34	717	20.59	2,050
12,697.33	675,282	224	254	4.77	1.9	15,450.30	53	881	17.54	1,580
20,795.44	892,584	401	191	4.45	2.3	42,664.16	68	1,728	24.69	2,786
9,689.85	212,762	184	97	4.46	4.5	20,247.63	16	606	33.41	1,078
11,224.98	387,769	258	125	3.62	2.8	22,192.93	57	1,027	21.60	1,653
10,219.07	539,945	173	265	5.07	1.9	22,144.67	44	1,263	17.53	1,388
11,127.26	381,665	185	174	5.09	2.9	13,791.92	28	660	20.89	744

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group II—TOWNS

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Elmira	Nia.	2,572	107	15,013.80	755,706	494	128	2.54	2.0
Ford City	Nia.	13,105	239	78,452.96	4,997,158	2,882	154	2.42	1.5
Goderich	Nia.	4,242	167	22,104.85	877,023	1,100	67	1.70	2.5
Hanover	G. B.	2,700	35	16,006.05	541,088	650	70	2.07	3.0
Hespeler	Nia.	2,815	90	15,474.86	733,890	670	92	1.94	2.1
Huntsville	G. B.	2,708	26	10,662.80	289,903	504	47	1.74	3.6
Ingersoll	Nia.	4,997	104	31,239.35	1,968,115	1,309	126	2.07	1.6
Kincardine	G. B.	2,189	69	12,629.64	256,909	514	44	2.15	4.9
Kingsville	Nia.	2,346	255	12,902.45	344,140	682	43	1.60	3.7
Leamington	Nia.	5,011	263	20,771.80	641,778	1,196	45	1.46	3.2
*Lindsay	C. O.	7,296	19	29,596.28	718,851	1,788	45	1.84	4.1
Listowel	Nia.	2,448	154	13,640.73	655,094	659	83	1.74	2.0
Meaford	G. B.	2,715	23	10,274.28	289,964	587	41	1.47	3.5
Merritton	Nia.	2,520	16	11,170.10	663,228	605	91	1.54	1.6
Midland	G. B.	7,902	25	31,023.58	1,895,386	1,555	101	1.66	1.6
Mimico	Nia.	5,491	75	47,531.39	2,798,755	1,524	156	2.65	1.6
New Toronto	Nia.	5,023	76	24,945.18	1,397,040	1,127	106	1.90	1.7
Orangeville	G. B.	2,669	47	9,116.05	314,394	595	49	1.43	2.8
Paris	Nia.	4,130	76	21,772.70	1,360,022	1,085	105	1.68	1.6
Penetang	G. B.	3,945	29	7,800.42	376,595	541	59	1.22	2.0
Perth	Rid.	3,664	21	20,199.54	600,014	806	62	2.10	3.4
Petrolia	Nia.	2,583	231	10,838.80	454,680	640	60	1.42	2.4
Picton	C. O.	3,288	33	16,792.45	777,352	927	70	1.52	2.2
Port Colborne	Nia.	5,374	21	26,977.15	1,302,356	1,149	99	2.05	2.1
Prescott	St. L.	2,709	48	11,023.50	647,149	596	92	1.57	1.7
Preston	Nia.	5,622	86	43,991.14	2,225,445	1,476	126	2.49	2.0
Riverside	Nia.	3,909	243	46,267.55	2,072,136	1,033	199	3.91	2.0
St. Marys	Nia.	4,007	133	23,690.15	1,108,288	986	94	2.01	2.1
Sandwich	Nia.	9,407	245	104,647.25	5,714,162	2,701	180	3.30	1.8
Simcoe	Nia.	4,491	103	11,756.22	615,011	778	69	1.33	1.9
Smiths Falls	Rid.	7,006	38	40,488.56	1,074,906	1,574	57	2.15	3.8
Strathroy	Nia.	2,605	150	15,522.06	772,718	757	86	1.74	2.0
Thorold	Nia.	4,957	9	19,174.28	984,118	1,185	70	1.29	1.9
Tillsonburg	Nia.	3,238	116	13,165.10	656,403	808	70	1.40	2.0
Walkerville	Nia.	9,852	239	106,847.05	7,272,672	2,493	252	3.70	1.5
Wallaceburg	Nia.	4,145	211	16,413.31	677,134	921	61	1.49	2.4
Waterloo	Nia.	7,135	96	48,543.53	3,043,579	1,663	155	2.47	1.6
Weston	Nia.	4,136	80	29,619.28	2,028,581	1,073	136	1.99	1.5
Whitby	C. O.	3,422	80	16,440.06	817,323	778	90	1.81	2.0
Wingham	G. B.	2,316	70	11,384.26	282,325	507	47	1.89	4.0

*Nine months' operation only.

NOTE.—The above group of 50 towns utilizes about 12 per cent of the power distributed by the Commission to Ontario municipalities.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

Population, 2,000 or more

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average Monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
7,001.58	263,489	118	188	4.99	2.7	16,064.21	20	602	26.68	632
21,708.21	982,264	288	302	6.67	2.2	69,047.52	37	2,400	28.76	3,207
10,502.07	360,638	203	149	4.35	2.9	21,376.80	19	961	22.24	1,322
5,781.34	155,728	114	114	4.24	3.7	20,044.35	17	652	30.74	781
5,127.05	203,216	105	158	3.99	2.5	15,251.11	19	796	19.15	794
6,577.56	166,656	112	122	4.85	3.9	18,490.25	11	1,112	16.62	627
15,081.78	785,840	252	265	5.10	1.9	27,686.54	46	1,307	21.18	1,607
7,387.99	120,756	114	89	5.45	6.1	9,083.21	22	302	30.07	650
7,066.19	180,876	149	103	4.05	3.9	4,685.56	16	156	30.03	847
12,748.20	442,491	236	161	4.94	3.1	8,610.09	23	264	32.61	1,455
18,395.87	421,036	330	142	6.19	4.4	29,228.80	69	1,525	19.17	2,187
7,593.55	289,256	155	157	4.13	2.6	10,011.33	22	371	26.95	836
5,578.00	165,127	136	101	3.41	3.3	5,323.15	13	226	23.55	736
1,825.32	80,218	55	121	2.76	2.2	13,534.19	4	602	22.48	664
12,439.96	602,085	233	215	4.44	2.0	99,505.39	64	5,854	16.99	1,852
8,074.71	314,023	120	216	5.56	2.5	9,894.70	14	445	22.23	1,658
7,834.23	387,555	119	278	5.98	2.0	115,362.20	23	4,331	26.63	1,269
7,577.47	291,254	143	172	4.47	2.6	8,153.55	28	441	18.48	766
6,469.37	309,759	195	135	2.82	2.1	14,146.18	21	785	18.02	1,301
3,063.11	138,693	101	116	2.57	2.2	13,369.98	27	548	24.39	669
12,794.46	340,594	183	155	5.84	3.8	18,102.01	22	631	28.69	1,011
6,756.06	233,591	184	107	3.09	2.9	28,066.21	69	864	32.48	893
8,646.58	361,013	190	158	3.79	2.4	10,519.76	46	438	24.02	1,163
12,485.34	606,017	193	244	5.01	2.0	11,516.88	18	414	27.82	1,360
6,871.96	353,011	158	188	3.66	1.9	6,318.12	19	322	19.62	773
22,062.75	988,419	227	368	8.23	2.2	48,160.44	46	2,240	21.50	1,749
6,380.63	211,207	59	150	4.54	3.0	11,075.07	9	305	36.31	1,101
8,549.64	355,111	193	153	3.68	2.4	20,836.06	46	830	25.10	1,225
20,069.40	956,401	204	440	8.80	2.1	27,949.77	27	894	31.26	2,932
15,936.44	842,365	250	288	5.44	1.9	12,082.95	32	504	23.97	1,060
16,148.06	388,332	250	131	5.47	4.2	26,593.78	40	830	32.04	1,864
8,597.66	338,819	171	172	4.37	2.5	10,944.24	26	413	26.50	954
6,561.93	360,780	196	156	2.88	1.8	15,255.50	13	777	19.63	1,394
11,672.36	527,839	205	210	4.93	2.3	13,070.68	27	634	20.62	1,040
36,120.95	1,717,619	339	436	9.18	2.1	115,819.44	93	4,394	26.38	2,925
9,754.82	343,600	202	142	4.04	2.8	78,075.63	28	2,814	27.75	1,151
20,467.05	828,042	214	335	8.28	2.5	33,543.99	68	1,686	19.90	1,945
6,999.85	324,417	146	183	3.92	2.1	45,576.40	24	1,849	24.65	1,243
8,871.48	356,986	144	212	5.26	2.5	18,477.87	16	696	26.55	938
7,471.78	158,182	160	82	3.89	4.7	10,810.40	26	380	28.45	693

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE.—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages, townships and rural districts, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power, however, exerts

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Acton	Nia.	1,870	91	9,268.93	420,119	460	77	1.60	2.2
Agincourt	Nia.	P.V.	93	3,690.80	109,658	130	71	2.42	3.3
Ailsa Craig	Nia.	509	148	2,208.11	47,384	145	32	1.37	4.6
Alliston	G. B.	1,336	74	9,311.60	163,166	321	42	2.41	5.7
Alvinston	Nia.	626	267	3,852.39	59,636	150	33	2.16	6.4
Ancaster Twp.	Nia.	4,213	59	12,689.96	421,798	588	62	1.84	3.0
Apple Hill	St. L.	P.V.	19	985.26	18,320	37	42	2.28	5.3
Arkona	Nia.	386	250	2,208.22	43,052	101	37	1.05	5.1
Arthur	G. B.	1,018	63	4,014.84	58,212	151	33	2.29	6.8
Ayr	Nia.	796	84	3,663.39	159,578	190	72	1.66	2.3
Baden	Nia.	P.V.	103	2,765.47	117,128	118	84	1.98	2.3
*Barton Twp.	Nia.	7,782	46	24,139.25	801,319	1,138	58	1.77	3.0
Beachville	Nia.	P.V.	101	2,292.85	78,711	106	63	1.03	2.9
†Beaverton	G. B.	984	28	6,818.27	233,505	369	55	1.60	2.9
Beeton	G. B.	565	80	3,286.18	59,586	114	46	2.58	5.5
Belle River	Nia.	774	250	4,294.46	124,820	169	63	2.19	3.4
Blenheim	Nia.	1,547	202	7,101.05	260,982	470	46	1.27	2.7
Bloomfield	C. O.	600	29	2,610.65	42,194	146	25	1.55	6.0
Blyth	Nia.	624	161	2,785.77	53,220	135	34	1.80	5.3
Bolton	Nia.	600	98	2,888.39	66,608	140	40	1.75	4.3
Bothwell	Nia.	630	217	2,702.07	71,282	149	38	1.47	3.7
Bradford	G. B.	958	74	4,757.33	82,569	184	37	2.15	5.8
Brantford Twp.	Nia.	7,163	79	16,577.40	768,751	698	94	2.04	2.2
Brechin	G. B.	P.V.	18	943.03	16,068	39	35	2.06	5.8
**Bridgeport	Nia.	P.V.	98	2,332.23	.....	90	.....	.....	....
Brigden	Nia.	P.V.	233	2,102.21	49,625	102	40	1.73	4.2
Brussels	Nia.	771	159	4,290.32	106,661	176	52	2.09	4.0
Burford	Nia.	P.V.	83	3,530.91	121,098	177	56	1.64	2.9
Burgessville	Nia.	P.V.	116	1,220.46	28,493	50	48	2.07	4.2
Caledonia	Nia.	1,460	65	3,522.74	130,657	222	63	1.34	2.6
Campbellville	Nia.	P.V.	96	1,049.83	15,613	37	36	2.43	6.7
Cannington	G. B.	890	36	4,206.29	140,253	227	51	1.55	2.9
Cayuga	Nia.	698	82	1,930.20	43,769	75	49	2.18	4.4
Chatsworth	G. B.	316	23	1,414.72	22,297	54	33	2.10	6.3
Chesley	G. B.	1,722	46	7,401.98	205,094	388	44	1.60	3.6

*Includes consumers annexed by Hamilton on Oct. 1st, 1928.
†Includes rural consumers. **Nine months' operation.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

VILLAGES, AND SUBURBAN AND RURAL AREAS

upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small and isolated water power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D," page 354.

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
2,945.23	109,045	75	119	3.45	2.7	13,061.48	19	441	29.64	554
701.72	15,494	16	80	3.65	4.5	1,596.21	2	61	26.16	148
1,522.77	25,136	43	51	3.09	6.0	1,650.69	2	40	41.26	190
5,414.98	80,878	107	66	4.46	6.6	2,414.10	15	147	16.42	443
2,223.99	34,342	58	50	3.25	6.4	1,508.07	4	39	38.67	212
1,890.06	67,084	40	130	3.66	2.8	532.48	3	40	13.31	631
681.03	11,468	17	56	3.33	5.9	433.64	1	11	39.42	55
1,221.04	24,259	32	67	3.39	5.0	1,044.52	3	27	36.46	136
3,390.49	39,789	80	42	3.62	8.5	2,037.95	3	48	42.45	234
1,441.86	43,820	47	79	2.61	3.3	1,012.17	5	45	22.50	242
857.43	25,597	26	80	2.85	3.0	7,177.40	4	251	28.59	148
2,636.04	104,118	67	127	3.23	2.5	5,838.98	6	167	34.96	1,211
951.39	26,796	28	85	3.04	3.0	6,670.67	3	255	26.15	137
2,240.38	95,797	64	133	3.11	2.3	2,249.66	10	93	24.18	443
2,723.11	39,853	37	92	6.30	6.8	3,422.07	6	95	36.02	157
1,680.38	38,508	31	103	4.51	4.3	1,336.21	4	53	25.21	204
4,695.59	195,543	117	144	3.46	2.4	5,345.64	13	228	23.44	600
1,019.75	22,693	23	85	3.86	4.4	2,948.91	10	95	31.04	179
1,348.57	23,466	45	45	2.58	5.7	1,079.84	4	48	22.50	184
1,107.38	21,507	45	41	2.14	5.1	2,870.54	9	94	30.53	194
1,527.34	47,561	51	79	2.54	3.2	1,031.62	6	50	20.60	206
3,471.11	48,428	53	76	5.45	7.1	7,177.12	7	211	34.01	244
3,711.40	158,207	40	300	7.03	2.3	3,876.03	3	101	38.37	741
974.06	19,321	24	67	3.38	5.0	1,097.02	4	38	28.80	67
567.89	.....	14	.....	.....	....	2,347.09	3	.....	.....	107
1,764.16	42,914	40	91	3.76	4.1	1,739.75	5	51	34.11	147
2,157.68	47,513	57	71	3.21	4.5	506.81	1	15	33.79	234
969.27	33,136	35	110	3.23	2.9	1,883.82	4	71	26.53	216
516.38	11,622	20	60	2.68	4.4	1,177.30	2	34	34.62	72
3,775.46	163,311	81	170	3.93	2.3	3,308.04	10	129	25.64	313
476.65	12,138	8	144	5.67	7.0	.....	.....	.....	.....	45
2,204.77	68,620	71	81	2.62	3.2	1,023.11	12	63	16.24	310
1,709.01	35,182	47	65	3.16	4.8	1,124.38	3	32	35.13	125
1,147.04	17,880	35	48	3.08	6.3	308.85	1	22	14.04	90
4,338.58	132,599	100	110	3.61	3.2	8,835.21	19	256	34.51	507

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III.—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Chesterville	St. L.	1,036	44	3,939.78	136,258	205	56	1.64	2.8
Chippawa	Nia.	1,129	4	5,710.48	245,430	263	79	1.85	2.0
Clifford	Nia.	536	173	1,674.29	31,402	81	22	1.78	5.3
Clinton	Nia.	1,981	155	10,297.50	420,783	497	71	1.74	2.4
Coldwater	G. B.	606	17	2,231.61	82,985	128	55	1.48	2.6
Comber	Nia.	P.V.	216	2,405.69	67,929	96	59	2.11	3.5
Cookstown	G. B.	P.V.	65	2,080.07	26,126	93	23	1.90	8.2
Cottam	Nia.	P.V.	257	2,168.52	37,700	90	35	2.05	5.7
Courtright	Nia.	396	215	1,834.90	31,635	67	40	2.35	5.8
Creemore	G. B.	643	60	1,978.03	55,262	150	30	1.10	3.5
Dashwood	Nia.	P.V.	163	1,431.09	28,451	61	38	1.95	5.1
Delaware	Nia.	P.V.	137	1,003.22	18,540	48	34	1.85	5.4
Dorchester	Nia.	P.V.	129	2,594.03	87,206	127	57	1.70	2.9
Drayton	Nia.	593	169	2,632.70	74,665	156	40	1.41	3.5
Dresden	Nia.	1,396	210	4,824.37	150,457	353	36	1.16	3.2
Drumbo	Nia.	P.V.	90	1,780.54	55,682	85	55	1.78	3.2
Dublin	Nia.	P.V.	140	1,049.90	19,176	37	43	2.36	5.4
Dundalk	G. B.	558	18	2,183.40	53,633	154	30	1.23	4.1
Durham	G. B.	1,694	23	4,951.40	144,858	355	35	1.18	3.4
Dutton	Nia.	800	152	3,059.47	114,641	200	50	1.33	2.6
Elmvale	G. B.	P.V.	32	2,018.45	62,602	132	39	1.28	3.2
Elmwood	G. B.	P.V.	40	962.01	13,169	50	22	1.63	7.4
Elora	Nia.	1,170	94	5,568.46	218,656	281	65	1.66	2.5
Embro	Nia.	443	107	2,552.71	67,705	97	60	2.26	3.7
Erieau	Nia.	226	210	3,029.56	49,514	118	37	2.27	6.0
*Erie Beach	Nia.	27	209	1,083.86	13,080	55	20	1.67	8.0
Essex	Nia.	1,809	254	8,370.34	244,270	404	51	1.77	3.4
Etobicoke Twp.	Nia.	14,315	73	74,314.28	2,904,018	3,326	74	1.91	2.5
Exeter	Nia.	1,590	155	9,551.38	393,081	427	77	1.87	2.4
Fergus	Nia.	2,184	94	11,085.50	418,282	524	68	1.80	2.6
**Finch	St. L.	361	53	1,477.92	.....	66	.....	.....	.....
Flesherton	G. B.	412	7	2,083.09	44,630	119	34	1.61	4.7
Fonthill	Nia.	708	25	3,965.13	136,197	203	57	1.66	2.9
Forest	Nia.	1,443	256	9,858.99	269,289	431	51	1.89	3.7
Georgetown	Nia.	1,970	100	10,454.45	541,665	600	73	1.41	1.9
Glencoe	Nia.	782	229	4,785.53	112,678	210	44	1.88	4.3
Grand Valley	G. B.	546	51	2,530.59	48,715	130	32	1.64	5.1
Granton	Nia.	P.V.	147	1,430.60	46,616	75	51	1.58	3.1
Gravenhurst	G. B.	1,722	7	6,502.82	295,167	382	66	1.45	2.2
Hagersville	Nia.	1,227	75	3,885.43	178,602	266	57	1.23	2.2

*Unusual conditions—Summer resorts. **Ten months' operation.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service During the Year 1928

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
2,040.43	67,636	62	92	2.78	3.0	6,361 51	3	199	31.96	270
1,642.92	79,135	28	212	4.14	2.0	3,141.98	4	87	36.11	295
1,101.08	18,386	38	42	2.54	5.9	116.52	1	5	23.30	120
4,656.59	163,959	124	110	3.12	2.8	5,187.16	14	188	27.59	635
1,265.05	36,866	55	59	2.02	3.4	1,701.64	3	85	20.01	186
2,034.87	49,823	48	86	3.53	4.0	3,743.81	2	93	40.25	146
1,583.28	20,465	36	47	3.66	7.7	82.69	2	8	10.33	131
1,453.47	36,050	25	125	5.04	4.0	543.06	2	20	27.15	117
1,117.34	27,283	22	119	4.90	4.0	.....	.....	.....	.....	89
1,664.05	39,462	59	55	2.35	4.2	1,437.29	5	64	22.45	214
985.95	16,678	25	51	3.04	5.9	1,526.67	1	43	35.50	87
777.39	14,827	17	72	3.81	5.3	.....	.....	.....	.....	65
937.37	27,066	31	83	2.89	3.4	621.17	2	31	20.03	160
1,818.75	40,934	56	61	2.70	4.4	1,595.92	5	59	27.05	217
4,331.23	160,939	124	110	2.98	2.7	5,587.28	15	212	26.35	492
730.12	16,436	22	62	2.77	4.4	842.60	2	29	29.05	109
798.40	11,544	24	45	3.16	7.0	1,530.47	4	43	35.59	65
2,159.81	61,551	74	68	2.39	3.6	2,818.47	3	127	22.19	231
3,814.28	107,987	102	90	3.19	3.5	12,136.66	7	462	26.27	464
2,356.95	85,637	69	101	2.80	2.7	2,873.09	7	128	22.44	276
1,390.22	43,971	49	71	2.27	3.1	4,302.76	10	175	24.58	191
519.00	6,934	19	28	2.16	7.7	1,331.95	1	33	40.36	70
3,589.81	95,440	75	108	4.09	3.7	9,017.60	3	325	27.74	359
1,338.97	31,647	43	64	2.72	4.2	1,581.04	2	65	24.32	142
1,002.73	18,831	9	195	10.44	5.3	80.95	1	5	.....	128
262.06	2,575	2	107	10.92	10.2	.....	.....	.....	.....	57
6,280.40	171,118	116	120	4.43	3.6	6,858.89	18	270	25.40	538
21,276.30	845,797	325	233	5.87	2.5	11,149.64	20	606	18.39	3,671
4,182.82	128,988	111	97	3.16	3.2	6,563.71	11	271	24.22	549
5,583.78	187,865	109	146	4.35	3.0	7,290.92	14	285	25.58	647
1,150.81	.....	28	.....	.....	.....	1,077.93	1	.....	.....	95
1,782.85	40,805	38	91	4.07	4.5	395.95	1	25	15.84	158
753.05	26,324	20	97	2.79	2.9	395.82	4	17	23.28	227
4,743.05	124,367	122	84	3.23	3.8	4,378.80	23	188	23.29	576
5,283.40	227,467	131	148	3.44	2.3	18,459.42	27	722	25.56	758
3,163.54	81,204	70	96	3.77	3.9	2,514.78	5	86	29.24	285
2,126.34	35,117	52	56	3.38	6.0	2,035.35	2	58	35.09	184
957.04	22,506	31	62	2.66	4.2	1,239.79	1	40	30.99	107
4,549.44	237,212	66	295	5.66	1.9	9,528.99	14	327	29.14	462
3,865.38	188,807	99	162	3.32	2.0	30,096.60	13	1,277	23.57	378

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Harriston	Nia.	1,237	167	4,701.57	150,115	298	43	1.35	3.1
Harrow	Nia.	P.V.	267	6,088.47	206,421	198	91	2.71	3.0
Havelock	C. O.	1,069	25	5,932.75	116,895	291	34	1.71	5.0
Hensall	Nia.	732	161	3,542.24	111,702	160	58	1.85	3.2
Highgate	Nia.	398	217	1,550.19	34,737	93	32	1.41	4.4
Holstein	G. B.	P.V.	34	892.78	7,141	46	14	1.69	12.5
Humberstone	Nia.	1,766	22	9,065.78	296,979	395	65	1.98	3.0
Jarvis	Nia.	468	81	1,434.33	32,532	78	35	1.55	4.4
Kemptville	Rid.	1,163	62	5,859.46	119,292	273	37	1.84	5.0
Kirkfield	G. B.	P.V.	35	611.73	11,037	22	42	2.32	5.5
Lakefield	C. O.	1,343	8	5,903.58	113,048	272	36	1.86	5.2
Lambeth	Nia.	P.V.	130	3,025.70	100,568	96	86	2.60	3.0
Lanark	Rid.	549	21	2,298.75	32,608	117	25	1.75	7.0
Lancaster	St. L.	588	25	1,718.93	20,776	69	24	2.03	8.3
La Salle	Nia.	647	248	7,904.70	316,188	152	173	4.33	2.5
London Twp.	Nia.	7,431	128	7,585.12	267,001	283	80	2.26	2.8
Lucan	Nia.	574	141	4,343.57	152,596	167	77	2.18	2.8
Lucknow	G. B.	1,026	68	5,682.52	110,559	239	39	2.00	5.1
Lynden	Nia.	P.V.	62	1,541.66	53,078	75	58	1.68	2.9
Markdale	G. B.	871	7	3,104.23	99,072	178	47	1.48	3.1
Markham	Nia.	956	114	4,766.95	119,086	237	43	1.73	4.0
Marmora	C. O.	876	20	2,943.39	50,213	172	25	1.47	5.9
Martintown	St. L.	P.V.	14	779.88	8,120	33	22	2.13	9.6
Maxville	St. L.	782	26	3,036.28	33,478	124	22	1.99	9.0
Merlin	Nia.	P.V.	219	1,799.61	30,912	96	27	1.56	5.8
Milton	Nia.	1,875	88	9,709.79	401,391	440	75	1.83	2.4
Milverton	Nia.	947	139	4,253.99	156,715	208	63	1.73	2.7
Mitchell	Nia.	1,640	135	8,220.86	351,484	433	68	1.59	2.3
Moorefield	Nia.	P.V.	168	726.24	15,175	48	28	1.36	4.9
Mt. Brydges	Nia.	P.V.	141	2,334.76	58,952	120	42	1.68	4.0
Mt. Forest	G. B.	1,829	38	7,233.65	222,213	380	49	1.61	3.3
Neustadt	G. B.	449	40	1,896.34	18,905	87	18	1.82	10.1
Newbury	Nia.	285	223	983.20	19,243	58	27	1.40	5.2
New Hamburg	Nia.	1,394	106	8,272.96	460,313	327	119	2.13	1.8
Niagara-on-the-Lake	Nia.	1,605	13	11,555.29	733,156	406	152	2.40	1.6
Nipigon	T. B.	P.V.	14	2,200.69	34,113	93	31	1.97	6.4
Norwich	Nia.	1,297	110	6,961.06	338,034	335	84	1.73	2.1
Norwood	C. O.	754	10	4,048.43	85,198	209	34	1.62	4.7
Oil Springs	Nia.	428	226	1,438.88	39,260	65	50	1.81	3.6
Omemee	C. O.	517	15	2,464.98	54,040	130	36	1.64	4.6

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

VILLAGES, AND SUBURBAN AND RURAI AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
3,211.84	89,775	97	80	2.88	3.6	5,833.01	12	225	25.92	407
3,664.98	90,663	67	124	5.01	4.0	2,226.23	4	94	23.68	269
1,596.92	30,450	47	52	2.74	5.2	6,725.27	3	194	34.15	341
1,465.56	55,025	58	84	2.24	2.6	2,823.14	12	104	27.14	230
1,057.66	24,014	33	57	2.51	4.4	3,094.83	6	72	42.98	132
534.50	5,192	17	24	2.54	10.3	227 79	1	8	28.47	64
3,287.35	116,038	61	162	4.60	2.8	5,766.22	8	217	26.57	464
1,247.13	37,020	37	89	3.04	3.4	4,123.53	4	137	30.10	119
6,742.66	158,678	72	167	7.11	4.3	4,016.39	7	110	36.51	352
552.17	9,428	14	54	3.17	5.8	473.48	1	20	23.67	37
4,639.82	92,281	74	103	5.19	5.0	3,257.39	8	150	21.71	354
877.86	30,519	16	150	4.30	2.8	314.14	1	37	.....	113
1,228.42	18,457	33	48	3.20	6.6	139.77	2	5	27.95	152
1,639.69	18,873	33	49	4.27	8.7	129.13	1	3	33.04	103
3,261.26	108,709	24	379	10.49	3.0	2,342.16	2	52	45.04	178
717.23	24,599	11	205	5.98	2.9	1,036.01	3	31	33.42	297
1,348.43	37,155	41	78	2.84	3.6	2,217.36	9	88	25.20	217
3,104.86	52,510	81	54	3.21	5.9	3,929.28	4	107	36.72	324
763.24	34,542	21	144	3.18	2.2	891.33	1	39	22.86	97
2,105.23	62,659	78	68	2.31	3.4	1,473.92	9	84	17.55	265
2,449.04	42,801	63	59	3.35	5.7	3,292.31	10	102	32.27	310
1,678.42	35,122	48	60	2.84	4.7	924.05	3	42	22.00	223
720.55	9,340	19	43	3.33	7.7	.....	.....	.....	.....	52
2,035.91	26,140	49	45	3.50	7.8	228.28	2	5	45.65	175
1,392.52	34,817	38	77	3.07	4.0	3,808.84	4	97	39.27	138
4,660.79	150,064	92	135	4.20	3.1	31,154 06	21	1,079	28.87	553
2,399.21	88,229	71	104	2.83	2.7	16,224.77	9	493	32.91	288
4,355.51	145,494	117	105	3.14	3.0	6,598.97	27	311	21.22	577
744.78	12,538	27	36	2.14	5.9	1,388.05	2	42	33.05	77
811.39	18,988	30	60	2.55	4.3	1,054.35	3	32	32.95	153
5,183.63	167,108	136	102	3.17	3.1	5,826.27	12	250	23.30	528
1,201.45	15,563	27	50	3.85	7.7	3,155.34	4	88	35.85	118
448.86	8,553	22	32	1.70	5.3	674.10	1	25	26.96	81
3,977.56	128,987	95	118	3.64	3.1	7,421.51	12	291	25.50	434
2,908.44	112,599	70	137	3.54	2.6	2,131.34	7	83	25.68	483
1,772.14	36,815	29	104	5.01	4.8	.....	.....	.....	.....	122
2,976.15	93,136	87	91	2.90	3.2	2,465.63	9	119	20.72	431
2,150.17	35,810	70	43	2.60	6.0	1,803.07	5	72	25.04	284
1,018.43	26,426	34	68	2.61	3.8	9,975.53	36	307	32.49	135
1,139.98	25,382	40	53	2.37	4.5	435.70	3	18	24.20	173

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population)

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Otterville	Nia.	P.V.	115	1,797.68	59,077	101	46	1.41	3.1
Paisley	G. B.	720	56	3,292.26	47,232	164	25	1.71	6.8
Palmerston	Nia.	1,708	161	8,791.63	431,679	380	96	1.96	2.0
Parkhill	Nia.	964	157	4,395.98	101,565	215	40	1.74	4.3
Plattsville	Nia.	P.V.	96	1,724.90	32,730	82	35	1.83	5.2
Point Edward	Nia.	1,400	209	5,401.70	191,701	276	58	1.63	2.8
Port Credit	Nia.	1,350	69	10,357.07	558,593	368	132	2.44	1.8
Port Dalhousie	Nia.	1,554	21	10,678.24	581,778	553	88	1.61	1.8
Port Dover	Nia.	1,544	108	6,151.74	151,816	339	39	1.60	4.1
Port McNicoll	G. B.	783	21	3,532.47	88,794	198	41	1.62	4.0
Port Perry	G. B.	1,155	58	6,665.56	170,477	265	54	2.10	3.9
Port Rowan	Nia.	696	124	1,589.60	34,760	69	51	2.32	4.5
*Port Stanley	Nia.	690	146	8,998.02	.....	563	.....	.....	....
Priceville	G. B.	P.V.	12	484.39	4,347	26	14	1.61	11.2
Princeton	Nia.	P.V.	96	2,079.25	36,341	81	38	2.18	5.7
Queenston	Nia.	P.V.	7	2,563.19	112,621	61	155	3.53	2.3
**Richmond	Ott.	368	19	228.20	.....	27	.....	.....	....
Richmond Hill	Nia.	1,197	103	6,135.68	214,712	308	58	1.66	2.9
Ridgetown	Nia.	1,942	211	9,256.54	405,693	531	65	1.49	2.3
Ripley	G. B.	420	69	2,812.54	34,194	93	32	2.63	8.2
Rockwood	Nia.	P.V.	87	2,368.16	94,799	130	63	1.58	2.5
Rodney	Nia.	760	163	2,669.51	74,139	196	33	1.18	3.6
Russell	St. L.	P.V.	58	2,576.56	28,495	96	25	2.24	9.0
St. Clair Beach	Nia.	122	247	1,715.73	74,347	39	167	3.86	2.3
St. George	Nia.	P.V.	82	2,252.16	137,811	125	94	1.51	1.6
St. Jacobs	Nia.	P.V.	102	2,648.82	121,997	97	102	2.22	2.2
Scarboro Twp	Nia.	15,276	87	69,391.16	2,673,099	3,415	68	1.76	2.6
Seaforth	Nia.	1,751	147	8,395.34	367,494	454	60	1.36	2.3
Shelburne	G. B.	1,000	31	5,172.65	139,791	287	41	1.53	3.7
Springfield	Nia.	394	151	2,090.79	53,133	93	49	1.91	3.9
Stamford Twp	Nia.	6,490	2	41,778.74	2,839,440	1,298	190	2.86	1.5
Stayner	G. B.	951	53	3,219.03	130,165	218	50	1.25	2.5
Stouffville	Nia.	1,080	110	5,139.95	108,373	271	35	1.66	4.7
Sunderland	G. B.	P.V.	44	2,025.59	30,452	97	26	1.70	6.6
Sutton	Nia.	747	114	5,871.10	93,334	332	24	1.50	6.2
Tara	G. B.	511	34	2,713.54	38,007	110	30	2.12	7.1
Tavistock	Nia.	993	129	6,128.61	312,524	239	109	2.13	1.9
Tecumseh	Nia.	1,951	246	13,677.37	490,126	416	103	2.88	2.8
Teeswater	G. B.	805	58	4,508.25	67,696	197	29	1.94	6.7
Thamesford	Nia.	P.V.	136	2,143.55	54,645	112	40	1.60	4.0

*Unusual conditions.—Summer resorts. **Four months' operation.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
1,490.49	48,838	39	110	3.36	3.1	924.09	5	36	25.67	145
2,140.38	36,074	54	56	3.33	5.9	1,284.54	4	37	34.72	222
4,725.54	215,383	97	188	4.15	2.2	7,378.41	8	264	27.95	485
2,809.07	66,515	76	75	3.18	4.2	1,604.11	5	65	24.68	296
883.13	14,738	25	47	2.83	6.0	314.45	2	15	20.96	109
1,710.64	60,053	44	113	3.24	2.9	10,246.18	14	525	19.51	334
4,791.92	212,247	75	242	5.47	2.2	1,640.65	5	71	23.11	448
2,157.67	94,483	46	177	4.04	2.3	4,130.33	11	183	22.57	610
4,893.27	120,795	128	81	3.30	4.1	4,281.70	15	187	22.90	482
725.29	20,011	26	63	2.28	3.6	41.72	1	1	41.72	225
2,312.34	49,147	65	67	3.16	4.7	4,382.47	13	157	27.91	343
1,620.51	28,272	32	78	4.50	5.8	.....	.....	.....	.....	101
3,081.47	84,093	73	94	3.47	3.7	4,679.57	12	136	34.41	648
277.74	2,583	9	24	2.57	10.7	.....	.....	.....	.....	35
647.18	11,408	18	51	2.91	5.7	96.80	1	3	32.26	100
198.92	4,987	6	64	2.55	4.0	884.86	2	30	29.49	69
537.62	.....	24	.....	.....	.....	.....	.....	.....	.....	51
2,918.17	94,639	58	146	4.50	3.1	2,370.27	12	123	19.27	378
4,776.85	177,635	130	115	3.11	2.7	5,890.60	21	304	19.37	682
2,705.44	25,429	45	48	5.12	10.7	.....	.....	.....	.....	138
798.73	26,505	33	70	2.11	3.0	935.53	1	65	14.39	164
2,125.72	61,436	68	73	2.53	3.4	1,515.50	4	69	21.96	268
1,721.06	21,308	32	55	4.48	8.1	.....	.....	.....	.....	128
2,302.94	59,420	9	582	22.57	3.9	584.87	2	18	32.49	50
822.30	35,821	32	92	2.11	2.3	2,078.52	4	86	24.17	161
1,096.47	36,509	27	103	3.10	3.0	3,107.22	6	108	28.77	130
16,113.11	556,795	252	193	5.57	2.9	29,979.62	30	1,116	26.86	3,697
4,952.39	188,699	122	126	3.31	2.6	7,136.27	14	292	24.44	590
3,402.12	90,709	93	81	3.03	3.7	5,257.11	11	206	25.52	391
730.26	13,201	32	39	2.14	5.5	3,654.73	4	84	43.51	129
5,018.73	124,488	91	118	4.77	4.0	5,161.14	13	269	19.19	1,402
2,123.14	71,539	66	92	2.72	2.9	2,733.90	9	130	21.03	293
2,563.25	48,509	74	48	2.52	5.3	1,402.83	5	57	24.61	350
1,494.46	28,613	39	66	3.46	5.2	745.21	3	29	25.70	139
2,966.48	43,413	63	61	4.15	6.8	819.10	3	27	30.34	398
2,227.89	20,967	39	48	5.08	10.6	989.52	4	34	29.10	153
1,785.71	65,405	72	75	2.06	2.7	8,840.29	6	331	26.70	317
3,669.30	80,940	46	150	6.80	4.5	3,601.64	3	87	41.40	465
2,938.91	44,122	57	63	4.18	6.6	3,196.34	8	127	25.17	262
1,704.28	48,434	31	132	4.66	3.5	3,459.67	8	104	33.26	151

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

GROUP III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Thamesville	Nia.	817	207	3,809.48	123,991	181	52	1.61	3.1
Thedford	Nia.	558	268	2,315.69	47,123	123	32	1.57	4.9
Thorndale	Nia.	P.V.	136	1,684.65	34,955	64	44	2.11	4.8
Thornton	G. B.	P.V.	58	1,033.33	13,253	44	25	1.93	7.8
Tilbury	Nia.	1,996	209	6,222.79	214,507	375	50	1.47	2.9
Toronto Twp.	Nia.	8,082	67	45,207.56	2,620,747	1,452	157	2.71	1.7
Tottenham	G. B.	608	82	2,793.89	36,752	117	26	2.00	7.7
Trafalgar Twp.	Nia.	3,779	.....	10,674.03	443,674	224	171	4.13	2.4
Uxbridge	G. B.	1,404	60	6,018.66	169,457	272	54	1.91	3.5
Victoria Harbor	G. B.	1,397	17	2,315 06	62,565	150	36	1.33	3.7
Wardsville	Nia.	212	225	948.11	11,382	50	19	1.61	8.4
Warkworth	C. O.	P.V.	17	1,679.24	28,887	90	28	1.62	5.8
Waterdown	Nia.	817	57	4,403.92	191,873	205	79	1.81	2.3
Waterford	Nia.	1,030	94	5,920.84	350,155	307	96	1.63	1.7
Watford	Nia.	1,031	256	6,078.20	167,764	266	53	1.92	3.6
Waubaushene	G. B.	P.V.	12	1,755.40	53,781	110	41	1.34	3.2
Wellesley	Nia.	P.V.	111	2,363.11	78,599	114	58	1.76	3.0
Wellington	C. O.	822	22	4,302.94	97,718	253	33	1.45	4.4
West Lorne	Nia.	805	159	2,700.26	65,613	185	30	1.23	4.1
Wheatley	Nia.	717	279	3,796.01	95,854	167	49	1.90	3.9
Williamsburg	St. L.	P.V.	28	1,135.39	23,246	54	35	1.74	4.9
Winchester	St. L.	1,068	38	5,089.02	197,317	264	62	1.61	2.6
Woodbridge	Nia.	700	85	4,255.95	206,712	212	84	1.73	2.1
Woodville	G. B.	415	40	1,805.22	39,678	91	36	1.64	4.5
Wyoming	Nia.	499	239	2,072.98	40,279	118	28	1.45	5.2
York, East Twp.	Nia.	23,610	86	123,913.27	4,592,541	7,016	57	1.54	2.7
York, North Twp	Nia.	9,006	84	49,636.37	1,746,263	1,684	91	2.58	2.8
Zurich	Nia.	P.V.	168	2,568.89	69,221	110	52	1.94	3.7

"D"—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1928

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
3,027.24	120,103	93	123	3.10	2.5	2,305.30	7	96	24.01	281
1,479.95	29,999	40	63	3.12	5.0	809.04	3	31	26.09	166
916.12	21,044	24	78	3.39	4.4	1,263.62	1	30	42.12	89
502.38	8,540	15	47	2.79	5.9	368.71	2	6	61.45	61
6,759.29	216,295	120	157	4.92	3.1	13,322.36	16	539	24.71	511
11,872.63	364,551	140	219	7.14	3.3	5,313.77	14	247	21.51	1,606
2,255.63	29,344	51	48	3.68	7.7	1,146.46	5	38	30.17	173
670.25	16,491	2	687	27.92	4.1	1,151.89	12	57	20.21	238
3,159.53	70,628	95	62	2.76	4.5	1,493.43	12	77	19.40	379
912.73	24,567	33	60	2.24	3.7	.....	.....	.....	.....	183
1,095.53	14,387	22	61	4.68	7.7	.....	.....	.....	.....	72
1,061.91	17,493	42	35	2.16	6.1	.....	.....	.....	.....	132
735.47	34,676	27	107	2.27	2.1	1,738.39	6	78	22.29	238
1,846.93	96,800	63	117	2.23	1.9	5,414.17	13	246	22.01	383
3,439.82	66,693	79	72	3.70	5.1	2,618.62	6	74	35.39	351
442.42	13,547	15	68	2.23	3.3	1,332.29	6	41	32.50	131
846.74	25,004	29	71	2.39	3.1	2,956.42	4	88	33.60	147
2,095.30	59,110	59	85	3.04	3.6	3,314.13	7	94	35.25	319
1,994.09	64,966	54	98	3.02	3.1	8,241.61	5	307	26.84	244
2,933.63	76,636	62	103	3.94	3.8	1,092.07	2	40	27.30	231
535.33	10,425	18	46	2.35	5.1	219.87	1	14	15.70	73
2,260.84	89,840	60	128	3.22	2.5	979.29	3	38	25.80	327
1,552.53	54,202	47	96	2.75	2.9	3,965.99	6	160	24.79	265
841.78	19,206	27	64	2.80	4.4	1,222.61	3	52	23.51	121
1,371.48	27,666	42	55	2.75	5.0	131.97	1	10	13.20	161
14,871.79	519,350	285	161	4.61	2.9	45,018.86	28	1,784	25.23	7,329
9,274.73	231,949	127	169	6.78	4.0	9,678.05	23	351	27.57	1,834
1,598.33	28,988	44	55	3.06	5.6	132.48	3	6	22.08	157

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Municipalities Served by the Hydro-Electric Power Commission for the Year 1928

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through the Hydro-Electric Power Commission. The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, which is an important factor in determining the rates to consumers, is also stated.

Cost of Power to Municipalities

The figures of the first column in the table represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission." In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

From the commencement of its operations, the Commission introduced in the municipalities which it serves, scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The average amount of power sold, per consumer, under these rates is approximately 30 horsepower—consult Statement "D." The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where the load conditions and other circumstances permit, lower rates are available for 10-hour power, and for other forms of restricted service. For these classifications, discounts additional to those listed in the table are applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Acton	31.65	33	60	2.5	1.25	0.83	10
Agincourt	44.42	33	50	4	2	1.11	10
Ailsa Craig	44.56	33	55	3.5	1.75	0.83	10
Alexandria	65.45	33	60	6	2	1.39	10
Alliston	53.22	33	30	8	2	1.67	10
Alvinston	93.41	33	60	6	2	2.22	10
Amherstburg	37.33	33	55	3.5	1.75	0.83	10
Ancaster twp	27.51	33	55	3	2	0.83	10
Apple Hill	56.95	33	60	6	2	1.66	10
Arkona	72.17	33	50	5	2	1.66	10
Arthur	67.95	33	35	7	3	1.94	10
Aylmer	33.76	33	60	2.5	1.25	0.83	10
Ayr	32.05	33	60	2.5	1.25	1.11	10
Baden	30.48	33	60	2.5	1.5	0.83	10
Barrie	27.84	33	60	2	1	0.83	10
Barton twp	28.51	33	55	3	1.5	1.11	10
Beachville	32.43	33	55	3	1.5	0.83	10
Beaverton	33.81	33	60	2.5	1.25	1.11	10
Beeton	64.91	33	30	8	2	1.67	10
Belle River	34.54	33	50	4	2	1.11	10
Blenheim	38.37	33	60	2.5	1.5	0.83	10
Bloomfield	55.59	33	50	4	2	1.11	10
Blyth	61.44	33	50	4	2	1.66	10
Bolton	43.77	33	50	4.5	2	1.11	10
Bothwell	43.22	33	55	3	1.5	0.83	10
Bradford	57.62	33	30	8	2	1.67	10
Brampton	30.74	33	60	2	1	0.83	10
Brantford	25.36	33	60	2	1	0.83	10
Brantford twp	25.74	33	60	2.5	1.25	1.11	10
Brechin	44.44	33	40	6	2	1.67	10
Bridgeport	26.19	33	55	3	1.5	0.83	10
Brigden	66.81	33	60	4	2	1.38	10
Brockville	27.86	33	60	2	1.25	0.83	10
Brussels	50.04	33	50	4	2	1.66	10
Burford	35.37	33	55	3	1.5	1.11	10
Burgessville	42.96	33	50	4	2	1.11	10
Caledonia	28.21	33	60	2.5	1.25	0.83	10
Campbellville	64.05	33	35	7	2	2.22	10
Cannington	39.31	33	55	3	1.5	1.11	10
Carleton Place	47.82	33	40	5	2	1.11	10

"E"

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.25	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	4	2	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3.5	1.75	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	6	2	1.94	10	47.00	1.00	5.2	3.5	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	6	2	2.22	10	59.00	1.00	7.1	4.7	0.33	min. 3.00	.....	10
5	3.5	1.75	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	2	0.83	10	31.00	1.00	3	2	0.33	.....	.....	10
5	6	2	2.22	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	5	2	1.66	10	59.00	1.00	7.1	4.7	0.33	min. 3.00	.....	10
5	7	3	1.94	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	1.25	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3	1.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1.25	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	4	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	2.5	1.5	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	4	2	1.11	10	46.00	1.00	5.1	3.4	0.33	.....	.....	10
5	4	2	1.66	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	4.5	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	1.5	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
	‡3.5	0.35	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
	‡‡1.75											
5	2.5	1.25	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	6	2	1.67	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	3	1.5	0.83	10	33.00	1.00	3.1	2.1	0.33	.....	.....	10
5	4	2	1.38	10	52.00	1.00	6	4	0.33	.....	.....	10
5	2	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4	2	1.11	10	42.00	1.00	4.6	3	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	7	2	2.22	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	3	1.5	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10

‡First 30 hours, per kw-hr.
‡‡Next 70 hours, per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Cayuga	59.38	33	45	5	2	1.66	10
Chatham	28.70	33	60	2.5	1.25	0.83	10
Chatsworth	37.59	33	45	6	2	1.67	10
Chesley	36.55	33	55	3.5	2	1.11	10
Chesterville	38.82	33	50	3	1.5	0.83	10
Chippawa	25.21	33	60	2.5	1.25	1.11	10
Clifford	54.20	33	50	4	2	1.66	10
Clinton	37.93	33	60	2.5	1.5	0.83	10
Coldwater	33.77	33	55	2.5	1.25	1.11	10
Collingwood	36.82	33	55	3	1.5	0.83	10
Comber	50.47	33	50	4	2	1.38	10
Cookstown	47.68	33	30	8	2	1.67	10
Cottam	42.10	33	45	5	2	1.66	10
Courtright	73.47	33	50	6	2	2.22	10
Creemore	50.39	33	55	3	1.5	0.83	10
Dashwood	46.74	33	40	6	2	1.38	10
Delaware	35.15	33	45	5	2	1.38	10
Dorchester	34.11	33	55	3.5	1.75	0.83	10
Drayton	60.06	33	50	4	2	1.11	10
Dresden	44.98	33	60	2.5	1.25	1.11	10
Drumbo	41.01	33	50	4	2	1.11	10
Dublin	47.99	33	45	5	2	1.66	10
Dundalk	32.85	33	55	3	1.5	1.11	10
Dundas	24.17	33	60	2	1	0.83	10
Dunnville	34.37	33	55	3	1.5	0.83	10
Durham	28.76	33	50	3	2	0.83	10
Dutton	35.15	33	60	2.5	1.25	0.83	10
Elmira	29.57	33	60	2.5	1.5	0.83	10
Elmvale	32.17	33	55	3	1.5	0.83	10
Elmwood	44.87	33	60	6	2	1.39	10
Elora	32.12	33	55	3	1.5	1.11	10
Embro	48.93	33	50	4	2	1.67	10
Erieau	55.45	33	40	6	2	2.22	10
Erie Beach	67.01	33	50	7	2	2.22	10
Essex	32.76	33	55	3.5	1.75	0.83	10
Etobicoke twp	27.38	33	60	2.6	1.3	0.83	10
Exeter	35.23	33	55	3	1.5	0.83	10
Fergus	32.48	33	55	3	1.5	1.11	10
Finch	78.17	33	60	8	2	2.22	10
Flesherton	38.28	33	50	4	2	1.67	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discoun
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	5	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	6	2	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3.5	2	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	1.25	1.11	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.5	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	1.25	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	1.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4	2	1.38	10	40.00	1.00	4.3	2.8	0.33	min. 3.33	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	5	2	1.66	10	53.00	1.00	6.2	4.1	0.33	min. 2.22	.....	10
5	6	2	2.22	10	76.00	1.00	9.6	6.4	0.33	.....	.....	10
5	3	1.5	0.83	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	6	2	1.38	10	55.00	1.00	6.5	4.3	0.33	min. 2.77	.....	10
5	5	2	1.38	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3.5	1.75	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	1.25	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	4	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	5	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	3	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3	2	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.5	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.5	0.83	10	26.00	1.00	2.1	1.4	0.33	.....	.....	10
5	3	1.5	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	6	2	1.39	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	1.5	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	4	2	1.67	10	48.00	1.00	5.4	3.6	0.33	min. 2.22	.....	10
5	6	2	2.22	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	7	2	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3.5	1.75	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.6	1.3	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3	1.5	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	3	1.5	1.11	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	8	2	3.05	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	4	2	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Fonthill	35.09	33	55	3	1.5	1.11	10
Ford City	31.05	33	60	2.5	1.25	1.11	10
Forest	46.75	33	50	4	2	1.11	10
Forest Hill	.....	33	60	2.6	1.3	0.83	10
		a	.....	3	.....	0.55	10
Fort William	22.40	*b*	.....	3	1.5	1.11	10
Galt	25.89	33	60	2.5	1.35	0.83	10
Gamebridge	.....	33	40	6	2	1.67	10
Georgetown	33.65	33	60	2	1	0.83	10
Glencoe	57.66	33	50	4	2	1.11	10
Glen Williams	.....	33	55	3	1.5	0.83	10
Goderich	43.69	33	55	3	1.5	0.83	10
Grand Valley	52.14	33	45	5	2	1.39	10
Granton	44.03	33	55	3	1.5	1.11	10
Gravenhurst	22.29	33	60	2	1	0.83	10
Guelph	25.05	33	60	2	1	0.83	10
Hagersville	29.13	33	60	2	1	0.83	10
Hamilton	23.36	33	60	2	1	0.83	10
Hanover	32.16	33	50	3.5	1.5	0.83	10
Harriston	39.50	33	55	3	1.5	1.11	10
Harrow	35.84	33	50	4	2	0.83	10
Havelock	43.09	33	50	5.5	2	0.83	10
Hensall	44.62	33	55	3.5	1.75	1.11	10
Hespeler	27.14	33	60	2.5	1.25	0.83	10
Highgate	43.67	33	50	4	2	1.11	10
Holstein	108.86	33	60	9	5	1.67	10
Hornings Mills	.....	33	30	8	2	1.67	10
Humberstone	28.59	33	55	3.5	1.75	0.83	10
Huntsville	24.38	33	50	4	2	1.11	10
Ingersoll	25.83	33	60	2	1.2	0.83	10
Jarvis	36.89	33	50	4	2	1.11	10
Kemptville	48.66	33	45	5	2	1.11	10
Kincardine	57.13	33	40	6	2	1.67	10
Kingston	24.00–36.00	*3	.....	**3	1.5	0.83	10
Kingsville	36.78	33	55	3	1.5	0.83	10
Kirkfield	54.50	33	40	6	2	2.22	10
Kitchener	25.37	33	60	2	1.25	0.83	10
Lakefield	43.09	33	50	5	2	1.11	10
Lambeth	37.61	33	50	4	2	1.38	10
Lanark	63.53	33	40	6	2	1.38	10
Lancaster	109.07	33	60	8	2	1.94	10

*Service charge per 100 sq. ft.
**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.
a General lighting.
b Lighting and cooking—Rate schedule based on floor area of house.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	1.25	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.6	1.3	0.83	10	25.00	1.00	2	1.4	0.5	max. 2.78	.....	10
.....	3	3	0.55	*c*	19.75	1.00	1.75	1	0.1	.....	.....	10
5	2.5	1.35	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	6	2	1.67	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	2	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	4	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	0.83	10	39.00	1.00	4.1	2.7	0.33	.....	.....	10
5	3	1.5	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	5	2	1.39	10	56.00	1.00	6.6	4.4	0.33	.....	.....	10
5	3	1.5	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2	1	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	2	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
.....	‡3.5	0.35	0.83	10	20.00	1.00	1.67	1.11	0.133	.....	10	10
	‡‡1.75											
5	3.5	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3	1.5	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	4	2	0.83	10	43.00	1.00	4.7	3.1	0.33	min. 2.22	.....	10
5	5.5	2	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1.75	1.11	10	38.00	1.00	4	2.6	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	9	5	1.67	10	74.00	1.00	9.3	6.2	0.33	.....	.....	10
5	8	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3.5	1.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	4	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2	1.2	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4	2	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	5	2	1.38	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	6	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
.....	‡6	1	0.83	10	21.00	1.00	1.83	1.233	0.156	.....	10	10
	‡‡3											
5	3	1.5	0.83	10	39.00	1.00	4.1	2.7	0.33	.....	.....	10
5	6	2	2.22	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	2	1.25	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4	2	1.38	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	6	2	1.94	10	64.00	1.00	7.8	5.2	0.33	.....	.....	10
5	8	2	2.78	10	69.00	1.00	8.6	5.7	0.33	.....	.....	10

‡First 30 hours, per kw-hr.
‡‡Next 70 hours, per kw-hr.
c Graded discounts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
LaSalle	34.07	33	45	5	2	1.11	10
Leamington	33.41	33	55	3	1.5	0.83	10
Lindsay	38.82	33	60	5	2	0.83	10
Listowel	34.28	33	60	2.50	1.25	1.11	10
London	24.57	33	60	2	1.25	0.83	10
London twp	34.21	33	55	3	1.5	1.11	10
Lucan	33.66	33	55	3.5	1.75	1.11	10
Lucknow	62.07	33	45	5	2	1.67	10
Lynden	38.76	33	55	3	1.50	1.38	10
Markdale	31.65	33	55	3	1.5	1.11	10
Markham	44.35	33	50	4.5	2	1.11	10
Marmora	50.04	33	60	5	2	1.11	10
Martintown	53.94	33	60	7	2	1.66	10
Maxville	89.15	33	60	8	2	1.66	10
Meaford	36.45	33	55	3	2	1.11	10
Merlin	52.02	33	50	4.5	2	1.11	10
Merritton	21.62	33	60	2	1	0.55	10
Midland	23.82	33	60	2	1	0.83	10
Milton	32.93	33	55	3	1.5	0.83	10
Milverton	31.68	33	60	2.5	1.5	1.11	10
Mimico	24.98	33	60	2.4	1.2	0.83	10
Mitchell	32.51	33	60	2.5	1.5	0.83	10
Moorefield	58.78	33	50	4	2	1.11	10
Mount Brydges	42.02	33	55	3.5	1.75	1.11	10
Mount Forest	37.40	33	55	3	2	1.11	10
Neustadt	50.39	33	60	8	2	1.67	10
Newbury	51.58	33	45	5	2	1.11	10
New Hamburg	31.14	33	60	2.5	1.5	0.83	10
New Toronto	26.72	33	60	2	1.25	0.83	10
Niagara Falls	18.94	*3	.....	**2	1	0.83	10
Niagara-on-the-Lake	26.69	33	60	2.5	1.25	0.83 to 1.11	10
Nipigon twp	27.51	33	40	6	2	1.67	10
Norwich	30.51	33	60	2.5	1.25	0.83	10
Norwood	36.03	33	50	5	2	1.11	10
Oil Springs	42.68	33	50	4	2	1.11	10
Omemee	39.39	33	60	4	2	1.11	10
Orangeville	39.48	33	55	3	1.5	1.11	10
Ottawa	11.12	3*	.....	2**	1*** 0.5	0.55	10
Otterville	37.59	33	55	3	1.5	1.11	10
Owen Sound	26.87	33	60	2	1	0.83	10

*Service charge per 100 sq. ft.
**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.
*** " " " next 3 " " " " "

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	5	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	1.5	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	5	2	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.5	1.25	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1.25	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3	1.75	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	5	2	1.67	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	1.5	1.38	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3	1.5	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4.5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	5	2	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	7	2	2.22	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	8	2	2.22	10	65.00	1.00	8	5.3	0.33	.....	.....	10
5	3	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4.5	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	2	1	0.55	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2	1	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	3	1.5	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.4	1.2	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	4	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3.5	1.75	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	8	2	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	5	2	1.11	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
5	2.5	1.5	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	2	1.25	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
.....	‡4 ‡‡2	0.4	0.83	10	21.00	1.00	1.83	1.233	0.156	.....	10	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	2.00	.....	10
5	6	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	5	2	1.11	10	40.00	1.00	4	2.6	0.33	.....	.....	10
5	4	2	1.11	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	4	2	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	3	1.5	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
.....	‡5 ‡‡2.5	0.5	0.55	10	20.00	1.00	1.8	1.2	0.15	.....	15	10
5	3	1.5	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10

‡First 30 hours, per kw-hr.
‡‡Next 70 hours, per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Paisley	51.53	33	45	5	2	1.67	10
Palmerston	35.91	33	60	2.5	1.25	1.11	10
Paris	25.88	33	60	2	1.25	0.83	10
Parkhill	54.49	33	50	4.5	2	1.38	10
Penetang	31.63	33	60	2	1	0.83	10
Perth	45.29	33	50	4	2	1.11	10
Peterboro	28.28	33	50	3	1.5	0.83	10
Petrolia	39.79	33	60	2.5	1.25	0.83	10
Picton	46.02	33	60	2.5	1.25	0.83	10
Plattsville	58.07	33	45	5	2.0	1.66	10
Point Edward	38.02	33	55	3	1.5	0.83	10
Port Arthur	22.17	3*	.....	2**	1	0.83	10
Port Colborne	27.79	33	60	2.5	1.25	0.83	10
Port Credit	31.77	33	60	2.4	1.2	0.83	10
Port Dalhousie	27.01	33	60	2.5	1.25	0.83	10
Port Dover	39.48	33	50	4	2	1.11	10
Port McNichol	27.74	33	50	4	2	1.11	10
Port Perry	48.88	33	45	5	2	1.11	10
Port Rowan	90.33	33	60	6	2	1.66	10
Port Stanley	37.40	33	55	3	1.5	0.83	10
Prescott	27.39	33	60	2	1	0.83	10
Preston	25.55	33	60	2.5	1.5	0.83	10
Priceville	81.33	33	60	8	2	1.67	10
Princeton	50.54	33	45	5	2.5	1.66	10
Queenston	27.72	33	65	3	1.5	1.38	10
Richmond	51.03	33	30	8	2	2.22 to3.33	10
Richmond Hill	34.02	33	55	3	1.5	0.83	10
Ridgetown	37.64	33	60	2.5	1.25	0.83	10
Ripley	75.69	33	60	7.5	2	2.22	10
Riverside	31.09	33	55	3.5	1.75	1.11	10
Rockwood	39.12	33	60	2.5	1.25	1.11	10
Rodney	42.06	33	55	3	1.5	0.83	10
Russell	71.63	33	60	7	2	1.66	10
St. Catharines	21.22	33	30 & 60	2	1	0.83	10
St. Clair Beach	35.16	33	50	4	2	1.66	10
St. George	37.91	33	60	2	1	0.83	10
St. Jacobs	31.50	33	55	3	1.5	1.11	10
St. Marys	32.80	33	60	2.5	1.5	1.11	10
St. Thomas	26.27	33	60	2	1	0.83	10
Sandwich	28.91	33	60	2.5	1.25	0.83	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	5	2	1.67	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.5	1.25	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1.25	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	4.5	2	1.38	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	4	2	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	3	1.5	0.83	10	20.00	1.00	1.6	1	0.33¶ 0.22	.....	10	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.5	1.25	0.83	10	36.00	1.00	3.6	2.4	0.33	.....	.....	10
5	5	2.0	1.66	10	48.00	1.00	5.4	3.6	0.33	2.00	.....	10
5	3	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	19.75	1.00	1.75	1	0.10	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.4	1.2	0.83	10	26.00	1.00	2.5	1.4	0.33	.....	.....	10
5	2.5	1.25	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4	2	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	6	2	1.66	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3	1.5	0.83	10	41.00	1.00	4.4	2.9	0.33	min. 1.11	.....	10
5	2	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	8	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	5	2.5	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	3	1.5	1.38	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	8	2	2.77 to 4.16	10	96.00	1.00	10.9	7.3	0.33	.....	.....	10
5	3	1.5	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	8	2	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3.5	1.75	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.5	1.25	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	1.5	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	7	2	2.22	10	56.00	1.00	6.6	4.4	0.33	.....	.....	10
.....	‡3.5 ‡‡1.75	0.35	0.83	10	17.00	1.00	1.7	1.15	0.16	.....	25	10
5	4	2	1.66	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	2	1	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3	1.5	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.5	1.5	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10

‡First 50 hours, per kw-hr.
‡‡Next 50 hours, per kw-hr.
¶Next 260 hours, per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Sarnia	33.27	33	60	2.5	1.25	0.83	10
Scarboro twp	33.74	33	55	3	1.5	0.83	10
Seaforth	35.38	33	60	2.5	1.5	0.83	10
Shelburne	35.63	33	50	3.5	1.75	1.11	10
Simcoe	28.80	33	60	2	1	0.83	10
Smiths Falls	41.60	33	50	4.5	2	1.11	10
Springfield	43.39	33	50	4	2	1.11	10
Stamford twp	20.10	33	60	2.5	1.25	0.83	10
Stayner	38.20	33	55	2.5	1.25	0.83	10
Stouffville	45.76	33	50	4.5	2	1.11	10
Stratford	27.46	33	60	2.25	1.25	0.83	10
Strathroy	30.67	33	60	2.5	1.25	0.83	10
Sunderland	52.89	33	40	6	2	1.39	10
Sutton	52.71	33	40	6	2	1.11	10
Tara	82.79	33	60	7	2	1.67	10
Tavistock	32.77	33	60	2.5	1.25	0.83	10
Tecumseh	33.53	33	50	4	2	1.38	10
Teeswater	50.08	33	60	6	3	1.67	10
Thamesford	36.19	33	55	3.5	1.75	1.11	10
Thamesville	39.93	33	55	3	1.5	0.83	10
Thedford	66.44	33	50	5	2	1.38	10
Thorndale	57.00	33	45	5	2	1.38	10
Thornton	63.91	33	60	8	2	1.67	10
Thorold	23.00	33	60	2	1	0.83	10
Tilbury	38.53	33	55	3	1.25	0.83	10
Tillsonburg	30.11	33	60	2	1.2	0.83	10
Toronto	24.94	*3	.....	**2	1	0.83	10
Toronto twp	30.55	33	55	3.5	1.75	1.11	10
Tottenham	79.21	33	30	8	2	1.67	10
Trafalgar twp	.....	55	60	3.5	2	1.11	10
Uxbridge	50.90	33	50	4	2	1.11	10
Victoria Harbor	34.41	33	55	3	1.5	1.11	10
Walkerville	26.88	33	60	2.5	1.25	0.83	10
Wallaceburg	33.37	33	60	2.5	1.25	0.83	10
Wardsville	60.72	33	40	6	2	1.66	10
Warkworth	45.91	33	50	5	2	1.55	10
Waterdown	29.61	33	60	2.5	1.25	0.83	10
Waterford	30.39	33	60	2	1	0.83	10
Waterloo	25.69	33	60	2	1.25	0.83	10
Watford	52.45	33	50	4	2	1.11	10

*Service charge per 100 sq. ft.
**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.
†First 50 hours, per kw-hr.
††Next 50 hours, per kw-hr.
‡First 30 hours, per kw-hr.
‡‡Next 70 hours, per kw-hr.
R First 70 hours, per kw-hr., 4 cents; next 70 hours, per kw-hr., 2 cents.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	3	1.5	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.5	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1.75	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	2	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4.5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4	2	1.11	10	49.00	1.00	5.6	3.7	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.5	1.25	0.83	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	4.5	2	1.11	10	50.00	1.00	4.7	3.8	0.33	.....	.....	10
5	2.25	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	6	2	1.39	10	52.00	1.00	6	4	0.33	.....	.....	10
5	6	2	1.11	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
.....	†14 ††7	1.4	1.67	10	58.00	1.00	6.8	4.6	0.5	.....	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4	2	1.38	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	6	3	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.5	1.75	1.11	10	43.00	1.00	3.4	2.2	0.33	.....	.....	10
5	3	1.5	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	5	2	1.38	10	59.00	1.00	7.1	4.7	0.33	.....	.....	10
5	5	2	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 3.33	.....	10
5	8	2	1.67	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.3	{0.33// 0.295	.....	25	10
5	3	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2	1.2	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
.....	R4 & 2	.....	.....	.....	.....	A.C. ¶	1.5	0.75	0.40	.....	.....	10
.....	2	1	0.83	10	.....	D.C. §	2.5	1.25	0.60	.....	.....	10
5	3.5	1.75	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	8 ‡8	2	1.67	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
.....	‡‡4	1	1.11	10	37.00	1.00	3.5	2.3	1.0	.....	.....	10
5	4	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	6	2	1.66	10	64.00	1.00	7.8	5.2	0.33	.....	.....	10
5	5	2	1.55	10	65.00	1.00	7.9	5.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1.25	0.83	10	19.00	1.00	2	1.0	0.33	.....	25	10
5	4	2	1.11	10	47.00	1.00	5.2	3.5	0.33	.....	.....	10

//Next 260 hours, per kw-hr.
¶A.C. service charge, $1.25 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.
§D.C. service charge, $1.35 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1928, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Waubaushene	34.19	33	55	3	1.5	1.11	10
Welland	22.33	33	60	2.5	1.25	0.83	10
Wellesley	42.21	33	50	3.5	1.5	1.38	10
Wellington	44.74	33	50	3.5	1.75	0.83	10
West Lorne	36.37	33	55	3	2	1.11	10
Weston	25.49	33	60	2	1	0.83	10
Wheatley	42.11	33	50	4	2	1.39	10
Whitby	35.01	37	60	3	1.25	0.94	20
Williamsburg	50.46	33	60	3	2	1.39	10
Winchester	45.22	33	60	2.5	1.25	0.83	10
Windsor	26.68	33	60	2.5	1.25	0.83	10
Wingham	60.32	33	40	5	2	1.11	10
Woodbridge	33.35	33	60	2.5	1.25	0.83	10
Woodstock	24.56	33	60	2	1.2	0.83	10
Woodville	49.60	33	50	4	2	1.39	10
Wyoming	51.69	33	50	4.5	2.25	1.11	10
York twp	.....	33	60	2.6	1.3	0.83	10
York E. twp	33.85	33	60	2.6	1.3	0.83	10
York N. twp	29.58	33	55	3.6	1.8	1.11	10
Zurich	57.29	33	50	4	2	1.38	10

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	3.5	1.5	1.38	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	3.5	1.75	0.83	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4	2	1.39	10	48.00	1.00	5.4	3.6	0.33	min. 2.22	.....	10
5.6	3	1.25	0.94	20	25.00	1.00	2	1.3	0.33	.....	.....	10
5	3	2	1.39	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	50.00	1.00	5.7	3.8	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1.2	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4	2	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	4.5	2.25	1.11	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
5	2.6	1.3	0.83	10	25.00	1.00	2	1.4	0.5	max. 2.78	.....	10
5	2.6	1.3	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.6	1.8	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	4	2	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 2.77	.....	10

APPENDIX I

ACTS

CHAPTER 19

An Act to amend The Power Commission Act.

Assented to 3rd April, 1928.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Power Commission Act, 1928.* Short title.

2. Subsection 1 of section 14 of *The Power Commission Act* is amended by striking out clause (*b*) and substituting therefor the following: Rev. Stat., c. 57, s. 14, subs 1, amended.

(*b*) to such further extent as may be necessary to repay any advances hereafter made by the Province to the Commission in annual sums which with interest thereon at the rate of four per centum per annum will be sufficient to meet such advance within a period of forty years which period shall commence one year from the end of the fiscal year in which such advance is made or in case postponement is authorized under section 15 then within forty years from the end of the fiscal year in which such postponement terminates. Application of receipts in sinking fund account.

3. Section 56 of *The Power Commission Act* is repealed and the following substituted therefor. Rev. Stat., c. 57, s. 56, repealed.

56. Notwithstanding anything in any general or special Act heretofore passed or in any contract heretofore entered into, and except where under the terms of any such contract power or energy is to be supplied to a municipal corporation at a fixed price, the price payable for power or energy by any municipal corporation shall be the cost to the Commission, as determined by it, of supplying and delivering power or energy to the corporation, including the corporation's proportion, as adjusted by the Commission, of,— Cost of power to municipality.

(*a*) the cost of operating, maintaining, renewing and insuring the works and the cost of administration of the Commission;

(*b*) interest at the rate or rates payable by the Commission upon the money expended by, or the obligations assumed by, the Commission in the construction or purchase of works, and upon all such other expenditures as the Commission may make under the provisions of this Act and upon working capital;

(*c*) an annual sum sufficient to form in forty years with interest at four per centum per annum, a sinking fund for the repayment of the advances made by the Province of Ontario under this Act for the payment of the cost of the works and also for the repayment of any other indebtedness incurred or assumed by the Commission in respect of the cost of the works.

Rev. Stat., c. 57, s. 63, subs. 5, repealed.

4. Subsection 5 of section 63 of *The Power Commission Act* is repealed.

Rev. Stat., c. 57, s. 73, amended.

5. Section 73 of *The Power Commission Act* is amended by adding thereto the following subsection:

Street lighting in areas in rural power districts.

(6) The council of the corporation may by by-law provide that such part of the said costs as to the council may seem proper shall be paid by the corporation and be chargeable to the municipality as a whole and while the said by-law remains in force only the moneys required to meet the balance of the said costs shall be raised in the manner prescribed in subsection 5 of this section, and the assent of the electors shall not be required to any such by-law.

By-laws confirmed.

6. By-laws numbers 1805 and 1806 of the corporation of the town of Lindsay; By-law number 605 of the corporation of the town of Milton; By-laws numbers 19 of 1921 and 54 of 1927 of the corporation of the village of Finch; By-laws numbers 299 and 302 of the corporation of the village of Richmond; By-law number 570 of the corporation of the township of Amaranth; By-law number 14 of the corporation of the township of Arran; By-law number 551 of the corporation of the township of Binbrook; By-law number 321 of the corporation of the township of Camden; By-law number 481 of the corporation of the township of Caistor; By-law number 897 of the corporation of the township of Clarke; By-law number 9 of the corporation of the township of Colborne; By-law number 9 of 1927 of the corporation of the township of Dawn; By-law number 8 of 1927 of the corporation of the township of Derby;

By-law number 972 of the corporation of the township of Douro; By-law number 290 of the corporation of the township of East Garafraxa; By-law number 996 of the corporation of the township of East Whitby; By-law number 593 of the corporation of the township of Euphemia; By-law number 9 of 1927 of the corporation of the township of Finch; By-law number 245 of the corporation of the township of Fullarton; By-law number 22 of the corporation of the township of Gloucester; By-law number 1185 of the corporation of the township of Hamilton; By-law number 20 of the corporation of the township of Holland; By-law number 942 of the corporation of the township of Hope; By-law number 6 of 1927 of the corporation of the township of Hullett; By-law number 764 of the corporation of the township of Louth; By-law number 1093 of the corporation of the township of Maidstone; By-law number 325 of the corporation of the township of March; By-law number 903 of the corporation of the township of Markham; By-law number 242 of the corporation of the township of Matchedash; By-law number 545 of the corporation of the township of Monck; By-law number 10 of 1927 of the corporation of the township of Moulton; By-law number 439 of the corporation of the township of North York; By-law number 345 of the corporation of the township of Onondaga; By-law number 1288 of the corporation of the township of Pickering; By-law number 454 of the corporation of the township of Richmond; By-laws numbers 901 and 902 of the corporation of the township of Rochester; By-law number 117 of 1926 of the corporation of the township of Stamford; By-law number 874 of the corporation of the township of Sidney; By-law number 9 of the corporation of the township of Stanley; By-law number 461 of the corporation of the township of Tilbury West; By-law number 1192 of the corporation of the township of Vaughan; By-law number 3 of 1927 of the corporation of the township of East Wawanosh; By-law number 6 of the corporation of the township of West Wawanosh; By-law number 1143 of the corporation of the township of Whitby; By-law number 114 of the corporation of the township of West Ferris; By-law number 616 of the corporation of the township of West Williams; By-law number 445 of the corporation of the united townships of Medora and Wood, and all debentures issued or to be issued or purporting to be issued under any of the said by-laws which authorize the issue of debentures, are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof respectively and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Power Commission Act* or the amendments thereto or any other general or special Act of this Legislature.

Commencement of Act.

7. This Act shall come into force on the day upon which it receives the Royal Assent.

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1928

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths and weights of conductors, and other particulars of the high voltage steel-tower transmission lines, the wood-pole transmission lines—excepting lines 4,000 volts or less—and the telephone lines.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

The total mileage of lines built and acquired by the Commission up to October 31, 1928, for the various systems, excepting all lines operating at less than 4,000 volts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES

System	Miles
Niagara system—Eastern, 220,000-volt, steel-supported transmission lines	203.22
Niagara system—110,000-volt, steel-supported transmission lines	595.69
Niagara system—110,000-volt, wood-supported transmission lines	66.98
Thunder Bay system—110,000-volt, steel-supported transmission lines	78.69
Thunder Bay system—110,000-volt, wood-supported transmission lines	92.10
Thunder Bay system—12,000-volt, wood-supported transmission lines	1.45
Niagara system—90,000-volt, steel supported transmission lines	78.50
Niagara system—60,000-volt, steel-supported transmission lines	54.07
Niagara system—60,000-volt, wood-supported transmission lines	16.79
Niagara system—46,000-volt, steel-supported transmission lines	50.52
Niagara system—30,000-volt, wood-supported transmission lines	18.99
Niagara system—26,400-volt, wood-supported transmission lines	508.22
Niagara system—13,200-volt, wood-supported transmission lines	419.47
Niagara system—12,000-volt, wood-supported transmission lines	178.03
Georgian Bay system—	
Severn division—(22,000-volt)	166.88
Eugenia division—(22,000-volt)	256.41
Wasdells division—(22,000-volt)	71.45
Muskoka division—(38,000-volt and less)	58.95
St. Lawrence system—(44,000-volt and less)	119.92
Rideau system—(26,400-volt)	76.65
Central Ontario and Trent system—(44,000-volt and less)	508.29
Nipissing system—(22,000-volt)	22.75
Total	3,644.02
Total wood-pole telephone lines for high-voltage systems	768.19

NOTE—Of the above the Niagara system is operated at 25 cycles. The other systems are operated at 60 cycles.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS

Type of construction	Wire miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927, to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927, to Oct. 31, 1928	Under construction Oct. 31, 1928
High voltage lines, 220,000 volts, Niagara system, Eastern	.....	609.66	.....	.....	3,296,432	.....
High-voltage lines, 110,000 volts and less, Niagara system	4,331.40	18.42	.....	13,227,180	75,853	.....
High-voltage lines, 110,000 volts and less, Thunder Bay system	544.20	.....	.....	1,390,339	.....	.....
High-voltage lines, 110,000 volts, Eastern Ontario	.....	.....	357.12	.....	.....	1,072,511
Wood-pole lines built and acquired by the Commission including telephone lines	13,205.18	273.79	77.18	10,555,880	695,937	81,346
High-voltage telephone lines, Niagara system	3,362.35	.....	.....	944,044	.....	.....
High-voltage telephone lines, Thunder Bay system	201.10	.....	.....	71,770	.....	.....
Totals	21,689.23	901.87	434.30	26,189,213	4,068,222	1,153,857

NOTE.—This table does not include lines operated at less than 4,000 volts.

NIAGARA SYSTEM (Eastern)

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
220,000-volt, steel-supported transmission lines	.....	203.22	203.22

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
795,000 c.m., a.c.s-r	.....	609.66	.....	.....	3,296,432	.....

EASTERN ONTARIO

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
110,000-volt, steel-supported transmission lines	.....	.....	55.25
110,000-volt, wood-supported transmission lines	.....	.....	61.54
Totals	.....	.....	116.79

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
477,000 c.m., a.c.s-r	.....	.....	284.13	.....	.....	958,939
4/0 a.c.s-r (211,600 c.m.)	.....	.....	72.99	.....	.....	113,572
Totals	.....	.....	357.12	.....	.....	1,072,511

Note.—a.c.s-r—Aluminum conductor, steel-reinforced; weights include steel.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
220,000-volt steel towers	.....	981	981

WEIGHT OF POWER CONDUCTOR

Miles of single-circuit lines			Total miles
Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1928
.....	203.22	.....	203.22

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
110,000-volt steel towers	.....	.....	288
110,000-volt wood poles	.....	.....	844
Totals	.....	.....	1,132

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Total miles single- and double-circuit line
Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Under construction to Oct. 31, 1928
.....	.....	90.21	.....	.....	2.25	92.46
.....	.....	24.33	.....	.....	.....	24.33
.....	.....	114.54	.....	.....	2.25	116.79

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
	miles	miles	miles
110,000-volt, steel-supported transmission lines	592.62	3.07	595.69
110,000-volt, wood-supported transmission lines	66.98	.....	66.98
90,000-volt, steel-supported transmission lines	78.50	.....	78.50
60,000-volt, steel supported transmission lines	54.07	.....	54.07
60,000-volt, wood-supported transmission lines	12.60	.....	12.60
30,000-volt and less, wood-supported transmission lines	21.77	.....	21.77
Totals	826.54	3.07	829.61

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
167,800 c.m., a.c.s-r	198.00	.....	.....	242,946	.....	.....
266,800 c.m., a.c.s-r	308.43	.....	.....	558,566	.....	.....
312,000 c.m., a.c.s-r	598.62	.....	.....	1,547,432	.....	.....
336,400 c.m., a.c.s-r	571.14	.....	.....	1,592,338	.....	.....
500,000 c.m., a.c.s-r	246.30	.....	.....	1,010,322	.....	.....
605,000 c.m., a.c.s-r	504.81	18.42	.....	2,078,807	75,853	.....
115,000 c.m., copper	22.47	.....	.....	41,996	.....	.....
190,000 c.m., copper	767.52	.....	.....	2,431,503	.....	.....
167,800 c.m., copper	616.86	.....	.....	1,679,709	.....	.....
211,600 c.m., copper	322.02	.....	.....	1,105,494	.....	.....
115,000 c.m., aluminum	0.57	.....	.....	327	.....	.....
211,600 c.m., aluminum	34.20	.....	.....	35,910	.....	.....
345,000 c.m., aluminum	79.50	.....	.....	130,141	.....	.....
500,000 c.m., aluminum	6.60	.....	.....	16,434	.....	.....
820,000 c.m., aluminum	36.06	.....	.....	108,180	.....	.....
300,000 c.m., l-c.a.c. copper	7.98	.....	.....	386,875	.....	.....
350,000 c.m., l-c.a.c. copper	8.04	.....	.....	228,900	.....	.....
500,000 c.m., l-c.a.c. copper	2.28	.....	.....	31,300	.....	.....
Totals	4,331.40	18.42	.....	13,222,180	75,853	.....

NOTE.—a.c.s-r = Aluminum conductors, steel-reinforced, weights include steel.
l-c.a.c. = Lead-covered armoured cable.
N. 56 x 53 and N. 59 x 69 on 60 Kv. transmission line towers only, conductor removed = 31.85 miles.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
110,000-volt steel towers	5,365	37	5,402
110,000-volt wood poles	822	.....	822
90,000-volt steel towers	902	.....	902
60,000-volt steel towers	769	.....	769
60,000-volt wood poles	421	.....	421
30,000-volt and less, wood poles	1,003	.....	1,003
Totals	9,282	37	9,319

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Miles of four-circuit line and underground cable			Total miles one, two and four circuit lines
Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1928
66.00	.....	.....	.....	.....	.....	.....	.....	.....	66.00
38.31	.....	.....	32.25	.....	.....	.....	.....	.....	70.56
23.90	.....	.....	87.82	.....	.....	.....	.....	.....	111.72
.....	.....	.....	95.19	.....	.....	.....	.....	.....	95.19
0.62	.....	.....	40.74	.....	.....	.....	.....	.....	41.36
0.98	.....	.....	78.63	3.07	.....	2.52	.....	.....	85.20
7.49	.....	.....	.....	.....	.....	.....	.....	.....	7.49
4.74	.....	.....	125.55	.....	.....	.....	.....	.....	130.29
.....	.....	.....	102.81	.....	.....	.....	.....	.....	102.81
.....	.....	.....	53.67	.....	.....	.....	.....	.....	53.67
0.19	.....	.....	.....	.....	.....	.....	.....	.....	0.19
.....	.....	.....	5.70	.....	.....	.....	.....	.....	5.70
.....	.....	.....	13.25	.....	.....	.....	.....	.....	13.25
.....	.....	.....	1.10	.....	.....	.....	.....	.....	1.10
12.02	.....	.....	.....	.....	.....	.....	.....	.....	12.02
.....	.....	.....	.....	.....	.....	0.48	.....	.....	0.48
.....	.....	.....	.....	.....	.....	0.67	.....	.....	0.67
.....	.....	.....	.....	.....	.....	0.38	.....	.....	0.38
154.25	.....	.....	636.71	3.07	.....	4.05	.....	.....	798.08

THUNDER BAY SYSTEM—

MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
	miles	miles	miles
110,000-volt, steel-supported transmission lines.....	78.69	.....	78.69
110,000-volt, wood-supported transmission lines.....	92.10	.....	92.10
12,000-volt, wood-supported transmission lines.....	1.45	.....	1.45
Totals.....	172.24	.....	172.24

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
336,400 c.m., a.c.s-r.....	31.05	.....	.....	86,566	.....	.....
4/0 a.c.s-r (211,600 c.m.)....	233.67	.....	.....	363,590	.....	.....
4/0 copper (211,600 c.m.)....	264.33	.....	.....	907,444	.....	.....
2/0 copper (133,079 c.m.)....	15.15	.....	.....	32,739	.....	.....
Totals.....	544.20	.....	.....	1,390,339	.....	.....

NOTE.—a.c.s-r—Aluminum conductor, steel-reinforced; weights include steel.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Total to Oct. 31, 1928
110,000-volt steel towers	504	.....	504
110,000-volt wood poles	1,422	.....	1,422
12,000-volt wood poles	57	.....	57
Totals	1,983	.....	1,983

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Total miles single- and double-circuit line
Completed Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1928
10.35	.....	.....	.....	.....	.....	10.35
77.89	.....	.....	.....	.....	.....	77.89
69.79	.....	.....	9.16	.....	.....	78.95
5.05	.....	.....	.....	.....	.....	5.05
163.08	.....	.....	9.16	.....	.....	172.24

NIAGARA SYSTEM—WOOD-POLE TELEPHONE LINES

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of wire			Weight in pounds			Miles of single-circuit lines		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928
No. 9 B. & S. G. copper.	1,132.61	.....	.....	236,715	.....	.....	107.13	.....	.....
No. 10 B. & S. G. copper.	838.62	.....	.....	139,210	.....	.....	257.93	.....	.....
No. 11 B. & S. G. copper.	139.86	.....	.....	22,097	.....	.....	69.93	.....	.....
No. 8 weather-proof copper	15.00	.....	.....	5,235	.....	.....	.....	.....	.....
No. 4 copper-clad steel	12.00	.....	.....	7,440	.....	.....	.....	.....	.....
No. 8 copper-clad steel	75.68	.....	.....	18,541	.....	.....	32.36	.....	.....
No. 17 copper-clad steel	10.88	.....	.....	326	.....	.....	5.44	.....	.....
No. 14 copper-clad steel	7.68	.....	.....	468	.....	.....	.....	.....	.....
No. 19 p-i.l-c. cable	819.20	.....	.....	112,082	.....	.....	.....	.....	.....
No. 22 p-i.l-c. cable	34.00	.....	.....	296,208	.....	.....	.....	.....	.....
No. 12 B.W.G. galv. iron	11.40	.....	.....	1,881	.....	.....	5.70	.....	.....
No. 6 a.c.s-r	129.44	.....	.....	24.852	.....	.....	.....	.....	.....
6 x .0661 steel, 1 x .0661 al.	132.00	.....	.....	77,748	.....	.....	66.00	.....	.....
No. 12 weather-proof iron	3.98	.....	.....	1,241	.....	.....	1.99	.....	.....
Totals	3,362.35	.....	.....	944,044	.....	.....	546.48	.....	.....

NOTE.—B. & S. G.—Browne & Sharpe gauge. B.W.G.—Birmingham wire gauge.
a.c.s-r—Aluminum cable steel-reinforced. p-i.l-c.cable—Paper-insulated, lead-covered cable.

FOR HIGH VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of double-circuit lines			Miles of 4-circuit lines			Miles of paper-insulated lead-cover copper			Total mileage 1-, 2-, 4-, and miscellaneous circuits completed to Oct. 31, 1928
Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	
120.41	.....	.....	54.60	.....	.....	.....	.....	.....	282.14
80.69	.....	.....	.....	.....	.....	.....	.....	.....	338.62
.....	.....	.....	.....	.....	.....	.....	.....	.....	69.93
3.75	.....	.....	.....	.....	.....	.....	.....	.....	3.75
3.00	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	.....	.....	1.37	.....	.....	.....	.....	.....	33.73
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.44
1.92	.....	.....	.....	.....	.....	.....	.....	.....	1.92
.....	.....	.....	.....	.....	.....	11.16	.....	.....	11.16
.....	.....	.....	.....	.....	.....	0.34	.....	.....	0.34
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.70
32.36	.....	.....	.....	.....	.....	.....	.....	.....	32.36
.....	.....	.....	.....	.....	.....	.....	.....	.....	66.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	1.99
242.13	.....	.....	55.97	.....	.....	11.50	.....	.....	856.08

THUNDER BAY SYSTEM—WOOD-POLE TELEPHONE

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of wire			Weight in pounds		
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927, to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927, to Oct. 31, 1928	Under construction Oct. 31, 1928
3 x 12 galv. steel	13.24	.....	.....	6,554	.....	.....
3 x 13 galv. steel	161.04	.....	.....	60,390	.....	.....
No. 6 a.c.s-r	18.32	.....	.....	3,517	.....	.....
No. 10 copper-clad steel	8.50	.....	.....	1,309	.....	.....
Totals	201.10	.....	.....	71,770	.....	.....

NIAGARA SYSTEM—HIGH-VOLTAGE TELEPHONE LINES

TOTAL MILEAGE AND WEIGHT OF CONDUCTORS

Size and material—B. & S. gauge	Wire miles	Weight in pounds
No. 9 B. & S. G. copper	1,132.61	236,715
No. 10 B. & S. G. copper	838.62	139,210
No. 11 B. & S. G. copper	139.86	22,097
No. 8 weatherproof copper	15.00	5,235
No. 4 copper-clad steel	12.00	7,440
No. 8 copper-clad steel	75.68	18,541
No. 14 copper-clad steel	7.68	468
No. 17 copper-clad steel	10.88	326
No. 19 paper-insulated lead-covered cable	819.20	112,082
No. 22 paper-insulated lead-covered cable	34.00	296,208
No. 12 B.W.G. galvanized iron	11.40	1,881
No. 6 aluminum cable, steel-reinforced	129.44	24,852
6 x .0661 steel and 1 x .0661 aluminum	132.00	77,748
No. 12 weather-proof iron	3.98	1,241
Totals	3,362.35	944,044

THUNDER BAY SYSTEM—HIGH-VOLTAGE TELEPHONE LINES

TOTAL MILEAGE AND WEIGHT OF CONDUCTORS

Size and material—B. & S. gauge	Wire miles	Weight in pounds
3 x 12 galv. steel	13.24	6,554
3 x 13 galv. steel	161.04	60,390
No. 6 a.c.s-r	18.32	3,517
No. 10 copper-clad steel	8.50	1,309
Totals	201.10	71,770

NOTE.—a.c.s-r.—Aluminum conductor, steel-reinforced.

LINE FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines			Total mileage of single-circuit lines completed to Oct. 31, 1928
Completed to Oct. 31, 1927	Completed Oct. 31, 1927, to Oct. 31, 1928	Under construction Oct. 31, 1928	
6.62	.....	.....	6.62
80.52	.....	.....	80.52
9.16	.....	.....	9.16
4.25	.....	.....	4.25
100.55	.....	.....	100.55

WOOD AND STEEL-POLE TRANSMISSION AND TELEPHONE LINES

(Excluding High-Voltage Lines)

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

Lines	Miles completed		
	To Oct. 31, 1927	Oct. 31, 1927 to Oct. 31, 1928	Totals to Oct. 31, 1928
Low-tension lines completed	2,351.62	87.33	2,438.95
Low-tension lines under construction	.....	26.48	26.48
Single-circuit lines completed	1,790.27	86.73	1,877.00
Double-circuit lines completed	521.41	0.60	522.01
Three-circuit lines completed	23.73	.....	23.73
Four-circuit lines completed	15.88	.....	15.88
Five-circuit lines completed	0.33	.....	0.33
Single-circuit telephone lines completed	2,083.10	.....	2,083.10
Double-circuit telephone lines completed	51.42	.....	51.42
POLES AND TOWERS			
Number of poles erected	96,741	1,710	98,451
Number of steel poles erected	376	.....	376
Number of poles under construction	.....	525	525

WOOD AND STEEL-POLE

SUMMARY—

GAUGE, LENGTH AND

Size and material of conductors	Wire miles of conductors			Weight in pounds			Miles of single-lines	
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928
500,000 c.m. aluminum	74.67	3.99	.....	185,928	9,935	.....	1.17	1.33
345,000 c.m. aluminum	215.19	.....	.....	352,266	.....	.....	1.51	.....
336,400 c.m. aluminum	7.26	.....	.....	12,109	.....	.....	.....	.....
300,000 c.m. aluminum	42.30	.....	.....	63,027	.....	.....	.....	.....
173,000 c.m. aluminum	37.29	.....	.....	32,293	.....	.....	1.51	.....
4/0 alum. (211,600 c.m.)	771.27	.....	.....	813,130	.....	.....	183.89	.....
3/0 alum. (167,800 c.m.)	1,989.18	.....	.....	1,658,974	.....	.....	250.94	.....
2/0 alum. (133,079 c.m.)	183.60	.....	.....	122,093	.....	.....	32.68	.....
1/0 alum. (105,534 c.m.)	710.85	.....	.....	373,195	.....	.....	161.33	.....
No. 2 alum (66,373 c.m.)	421.17	.....	.....	138,985	.....	.....	133.09	.....
477,000 c.m. a.c.s-r	.....	103.80	.....	.....	350,325	.....	.....	34.60
605,000 c.m. a.c.s-r	1.65	.....	.....	6,794	.....	.....	0.55	.....
336,000 c.m. a.c.s-r	19.44	121.24	.....	54,198	310,135	.....	6.48	35.88
125,000 c.m. a.c.s-r	233.34	.....	.....	214,672	.....	.....	77.78	.....
4/0 a.c.s-r (211,600 c.m.)	292.80	.....	40.86	455,594	.....	63,578	82.48	.....
3/0 a.c.s-r (167,800 c.m.)	148.02	.....	.....	181,619	.....	.....	27.04	.....
2/0 a.c.s-r (133,079 c.m.)	82.59	.....	6.93	80,690	.....	6,771	26.15	.....
1/0 a.c.s-r (105,534 c.m.)	651.66	.....	.....	505,685	.....	.....	214.56	.....
No. 2 a.c.s-r (66,373 c.m.)	1,026.54	23.25	17.79	500,948	11,346	8,681	296.13	7.75
190,000 c.m. copper	131.52	.....	.....	416,655	.....	.....	19.82	.....
173,000 c.m. copper	3.75	.....	.....	10,552	.....	.....	1.25	.....
115,000 c.m. copper	57.30	.....	.....	107,093	.....	.....	12.30	.....
4/0 copper (211,600 c.m.)	209.55	.....	.....	719,316	.....	.....	0.63	.....
3/0 copper (167,800 c.m.)	3.36	.....	.....	9,149	.....	.....	.....	.....
2/0 copper (133,079 c.m.)	236.91	.....	.....	511,961	.....	.....	35.17	.....
1/0 copper (105,534 c.m.)	218.64	.....	.....	373,873	.....	.....	51.08	.....
No. 1 copper (83,694 c.m.)	9.00	.....	.....	12,258	.....	.....	3.00	.....
No. 2 copper (66,373 c.m.)	79.59	.....	.....	85,876	.....	.....	26.53	.....
No. 3 copper (52,634 c.m.)	18.42	.....	.....	15,749	.....	.....	4.80	.....
No. 4 copper (41,742 c.m.)	87.84	.....	.....	59,379	.....	.....	.....	.....
No. 6 copper (26,250 c.m.)	104.34	.....	.....	44,344	.....	.....	33.78	.....
3 x 12 galv. steel (35,643 c.m.)	36.39	.....	.....	18,013	.....	.....	12.13	.....
1/4" galv. steel (48,223 c.m.)	30.99	21.51	.....	20,453	14,196	.....	10.33	7.17
9/32" galv. steel (63,200 c.m.)	85.05	.....	.....	71,782	.....	.....	28.35	.....
7/16" galv. steel (153,200 c.m.)	32.10	.....	.....	70,331	.....	.....	.....	.....
5/16" galv. steel (83,200 c.m.)	472.95	.....	.....	524,026	.....	.....	107.45	.....
6 galv. iron (41,000 c.m.)	144.78	.....	.....	83,075	.....	.....	48.26	.....
Totals	8,871.30	273.79	65.58	8,906,085	695,937	79,030	1,892.17	86.73

NOTE.—a.c.s-r—Aluminum cable, steel-reinforced; weights include steel.

TRANSMISSION LINES

(Excluding High-Voltage Lines)

WEIGHT OF CONDUCTORS

circuit	Miles of double-circuit lines			Miles of three-circuit lines			Miles of four-circuit lines			Total circuit miles of one, two, three, four circuit lines completed to October 31, 1928
Under construction Oct. 31, 1928	Completed Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	
.....	11.86	.....	.....	.....	.....	.....	.....	.....	.....	14.36
.....	35.11	.....	.....	.....	.....	.....	.....	.....	.....	36.62
.....	1.21	.....	.....	.....	.....	.....	.....	.....	.....	1.21
.....	.....	.....	.....	4.70	.....	.....	.....	.....	.....	4.70
.....	5.46	.....	.....	.....	.....	.....	.....	.....	.....	6.97
.....	36.60	.....	.....	.....	.....	.....	.....	.....	.....	220.49
.....	206.06	.....	.....	.....	.....	.....	.....	.....	.....	457.00
.....	14.26	.....	.....	.....	.....	.....	.....	.....	.....	46.94
.....	37.81	.....	.....	.....	.....	.....	.....	.....	.....	199.14
.....	3.65	.....	.....	.....	.....	.....	.....	.....	.....	136.74
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.60
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.55
.....	.....	0.60	.....	.....	.....	.....	.....	.....	.....	42.96
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77.78
13.62	7.56	.....	.....	.....	.....	.....	.....	.....	.....	90.04
.....	11.15	.....	.....	.....	.....	.....	.....	.....	.....	38.19
6.93	0.69	.....	.....	.....	.....	.....	.....	.....	.....	26.84
.....	1.03	.....	.....	.....	.....	.....	.....	.....	.....	215.59
5.93	21.81	.....	.....	0.81	.....	.....	.....	.....	.....	326.50
.....	12.01	.....	.....	.....	.....	.....	.....	.....	.....	31.83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.25
.....	3.40	.....	.....	.....	.....	.....	.....	.....	.....	15.70
.....	2.85	.....	.....	.....	.....	.....	15.88	.....	.....	19.36
.....	0.56	.....	.....	.....	.....	.....	.....	.....	.....	0.56
.....	21.90	.....	.....	.....	.....	.....	.....	.....	.....	57.07
.....	10.90	.....	.....	.....	.....	.....	.....	.....	.....	61.98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.53
.....	0.67	.....	.....	.....	.....	.....	.....	.....	.....	5.47
.....	14.64	.....	.....	.....	.....	.....	.....	.....	.....	14.64
.....	0.50	.....	.....	.....	.....	.....	.....	.....	.....	34.28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.50
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.35
.....	5.35	.....	.....	.....	.....	.....	.....	.....	.....	5.35
.....	25.10	.....	.....	.....	.....	.....	.....	.....	.....	132.55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.26
26.48	492.14	0.60	.....	5.51	.....	.....	15.88	.....	.....	2,493.03

This sheet is based on route and wire miles.

TELEPHONE

ERECTED ON WOOD-POLE LINES

GAUGE, LENGTH AND WEIGHT OF ALUMINUM,

Size and material of wire	Miles of wire				Weight in	
	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928
No. 8 B. & S. G. c-c steel	181.16	.....	.....	181.16	44,384	.....
No. 10 B. & S. G. c-c steel	1,014.18	.....	.....	1,014.18	156,183	.....
No. 17 B. & S. G. c-c steel	12.02	.....	.....	12.02	360	.....
No. 9 copper	220.32	.....	5.24	220.32	46,046	.....
No. 10 copper	176.86	.....	.....	176.86	29,358	.....
No. 6 B. W. G. galv. iron	25.98	.....	.....	25.98	14,886	.....
No. 8 B. W. G. galv. iron	5.70	.....	.....	5.70	2,154	.....
No. 9 B. W. G. galv. iron	1,735.42	.....	.....	1,735.42	529,303	.....
No. 10 B. W. G. galv. iron	80.22	.....	.....	80.22	20,055	.....
No. 12 B. W. G. galv. iron	86.72	.....	.....	86.72	14,308	.....
No. 6 a.c.s-r	621.32	.....	6.36	621.32	119,293	.....
3 x 12 galv. steel	88.88	.....	.....	88.88	295,437	.....
3 x 13 galv. steel	121.62	.....	.....	121.62	307,941	.....
1/4" galv. steel	1.48	.....	.....	1.48	976	.....
19 p-i.l-c. cable	7.00	.....	.....	7.00	69,111	.....
Totals	4,378.88	.....	11.60	4,378.88	1,649,795	.....

Note.—For telephone lines generally on wood poles and serving 110,000-volt power lines see separate table.

p-i.l-c. cable—Paper insulated, lead covered cable.

c-c. steel—Copper-clad steel. a.c.s-r—Aluminum cable, steel-reinforced.

LINES

CARRYING POWER CONDUCTORS

COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

pounds		Single-circuit mileage			Double-circuit mileage			Single and double-circuit totals completed to October 31, 1928
Under construction Oct. 31, 1928	Completed to Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	Completed to Oct. 31, 1927	Completed Oct. 31, 1927 to Oct. 31, 1928	Under construction Oct. 31, 1928	
.....	44,384	90.58	.....	.....	.....	.....	.....	90.58
.....	156,183	503.27	.....	.....	1.91	.....	.....	505.18
.....	360	6.01	.....	.....	.....	.....	.....	6.01
1,095	46,046	110.16	.....	2.62	.....	.....	.....	110.16
.....	29,358	88.43	.....	.....	.....	.....	.....	88.43
.....	14,886	12.99	.....	.....	.....	.....	.....	12.99
.....	2,154	2.85	.....	.....	.....	.....	.....	2.85
.....	529,303	867.71	.....	.....	.....	.....	.....	867.71
.....	20,055	40.11	.....	.....	.....	.....	.....	40.11
.....	14,308	43.36	.....	.....	.....	.....	.....	43.36
1,221	119,293	211.64	.....	3.18	49.51	.....	.....	261.15
.....	295,437	44.44	.....	.....	.....	.....	.....	44.44
.....	307,941	60.81	.....	.....	.....	.....	.....	60.81
.....	976	0.74	.....	.....	.....	.....	.....	0.74
.....	69,111	3.50	.....	.....	.....	.....	.....	3.50
2,316	1,649,795	2,086.60	.....	5.80	51.42	.....	.....	2,138.02

B. & S. G.—Browne & Sharpe gauge. B. W. G.—Birmingham wire gauge.

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, Distribution Feeders, Metering Stations, Distributing Stations and Distribution Systems constructed by the Hydro-Electric Power Commission

Below is shown in tabular and descriptive form the work carried on under the supervision of the Distribution section of the Electrical Engineering department during the year ended October 31, 1928.

This work includes the construction of rural distribution systems, the installation of feeders to supply urban municipalities and the construction of metering equipments.

Work in connection with distribution systems was done by the Commission for certain municipalities, private companies, etc., at the request and at the expense of the parties concerned.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System	At October 31, 1927		At October 31, 1928	
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Niagara system	2,521.1	19,769	3,297.5	25,256
Georgian Bay system	98.5	938	154.4	1,337
St. Lawrence system	53.3	336	68.1	450
Ottawa system	69.2	363	70.9	469
Central Ontario and Trent system	118.4	1,747	196.2	2,208
Nipissing system	1.9	110	4.2	147
Total	2,862	23,263	3,791	29,867

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS

Rural power district	Property number	At October 31, 1927		At October 31, 1928	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM					
Acton	N5D1	0.2	.....	1.8	7
Amherstburg	N5D3	39.6	376	45.2	422
Aylmer	N11D2	60.6	341	67.4	390
Ayr	N12D4	6.8	30	8.3	37
Baden	N7D1	44.1	200	51.3	245
Barton	N2D7	9.9	71	Transferred to Caledonia R.P.D.	
Beamsville	N1D4	85.0	553	91.3	597
Belle River	N15D2	24.2	200	32.9	268
Blenheim	N14D3	24.4	137	32.9	172
Bolton	N16D2	11.0	42	Transferred to Woodbridge R.P.D.	
Bond Lake	N3D3	30.1	609	55.7	829
Bothwell	N14D10	11.5	45	21.3	77
Brampton	N13D2	16.1	54	36.7	128
Brant	N12D1	28.9	193	49.9	284
Brigden	N18D8	13.1	34	20.7	60
Burford	N12D2	10.0	71	11.9	91
Caledonia (a)	N2D5	11.9	45	38.3	188
Chatham	N14D1	65.8	319	90.6	552
Chippawa	N1D7	9.0	93	11.1	105
Clinton	N8D11	.....	.....	21.2	145
Delaware	N4D3	70.0	366	83.3	461
Dorchester	N4D1	83.8	409	91.5	471
Dresden	N14D12	.....	.....	0.3	2
Drumbo	N12D5	19.3	126	20.2	146
Dundas	N2D1	65.9	387	67.8	437
Dunnville	N1D9	.....	.....	1.2	8
Dutton	N11D3	3.0	33	9.5	65
Elmira	N7D3	3.8	31	4.5	31
Elora	N5D4	6.4	86	9.5	110
Embro	N10D5	4.7	.....	Transferred to Ingersoll R.P.D.	
Essex	N15D7	43.5	217	53.0	257
Exeter	N4D6	33.1	334	44.0	412
Forest	N18D6	5.5	15	5.5	15
Galt	N6D2	18.8	162	18.8	191
Georgetown	N5D2	19.0	104	23.2	134
Goderich	N8D2	2.1	35	3.2	38
Grantham	N1D2	41.7	391	41.7	419
Guelph	N5D3	14.8	71	28.0	92
Haldimand	N2D8	7.9	58	10.2	68
Harrow	N15D4	29.2	241	37.6	329
Ingersoll	N10D3	20.8	15	71.6	219
Jordan	N1D3	18.1	111	21.4	194
Keswick	N3D5	17.0	557	17.5	614
Kingsville	N15D5	64.8	803	82.7	940
Listowel	N8D8	19.9	118	23.4	143

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1927		At October 31, 1928	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM—Continued					
London	N4D2	103.1	1,256	130.9	1,437
Lucan	N4D5	13.1	51	27.0	95
Lynden	N2D2	32.1	139	37.6	180
Markham	N3D1	33.6	154	42.0	390
Milton	N13D3	25.7	161	28.2	180
Milverton	N8D9	12.7	60	13.2	69
Mitchell	N8D7	20.0	143	24.6	159
Newmarket	N3D4	10.8	132	11.2	146
Niagara	N1D1	35.6	182	39.7	212
Norwich	N10D1	73.2	304	73.8	338
Oil Springs	N18D3	12.5	77	12.8	84
Palmerston	N8D6	.....	.....	0.2	9
Petrolia	N18D5	0.7	6	3.5	17
Preston	N6D1	72.1	499	88.6	678
Ridgetown	N14D2	50.5	373	69.0	479
St. Marys	N9D1	9.2	.....	56.7	197
St. Jacobs	N7D2	24.3	194	24.3	205
St. Thomas	N11D1	60.2	596	95.1	856
Saltfleet	N17D1	64.4	734	73.9	815
Sandwich	N15D1	82.6	1,491	91.4	1,715
Sarnia	N18D4	59.5	746	69.6	875
Scarboro	N3D2	26.8	152	33.7	250
Seaforth	N8D10	.....	.....	4.2	100
Simcoe	N12D6	21.2	126	29.1	168
Stamford	N1D6	9.0	215	9.3	211
Stratford	N8D4	18.0	114	29.9	192
Strathroy	N4D4	6.3	41	9.2	50
Streetsville	N13D1	43.5	180	55.6	233
Tavistock	N8D1	22.5	94	39.6	175
Thamesville	N14D11	4.9	.....	20.0	117
Tilbury	N14D14	13.6	53	36.4	149
Tillsonburg	N10D4	74.4	400	85.5	430
Wallaceburg	N14D13	37.8	276	50.9	357
Walsingham	N12D7	8.4	69	8.4	73
Walton	N8D3	6.8	30	22.2	148
Waterdown	N2D3	17.6	210	24.5	217
Waterford	N12D3	11.5	47	15.5	61
Welland	N1D5	98.8	1,495	122.4	1,642
Woodbridge (b)	N16D1	95.7	477	126.5	662
Woodstock	N10D2	93.1	409	103.2	492

(a) Caistorville R.P.D. and Haldimand R.P.D. transferred to Caledonia R.P.D.
(b) Bolton R.P.D. transferred to Woodbridge R.P.D.

GEORGIAN BAY SYSTEM

Eugenia Division					
Flesherton	E1D1	1.6	17	1.6	17
Lucknow	E24D1	.....	1	.....	1
Markdale	E1D2	1.0	2	1.0	2
Meaford	E14D1	.....	.....	0.8	2
Neustadt	E8D1	0.3	1	0.3	1
Orangeville	E12D1	8.7	19	8.7	27
Ripley	E24D2	.....	2	.....	2
Shelburne	E10D1	2.4	10	2.4	10
Tara	E15D1	.....	2	18.7	28
Walkerton Quarries	E26D1	1.6	5	1.6	5
Wasdells Division					
Cannington No. 1	W3D1	3.8	20	3.8	21
Cannington No. 2	W3D2	4.1	19	4.1	19
Georgina	W2D2	9.5	73	9.5	80
Mariposa	W9D1	20.2	134	22.3	144
Port Perry	W7D2	1.8	27	1.9	42
Sparrow Lake	W1D1	16.0	125	16.1	137
Uxbridge	W7D1	1.0	5	1.0	6
Severn Division					
Barrie	S4D1	6.0	72	9.1	97
Beeton	S33D1	0.3	1	0.3	1
Buckskin	S24D1	.....	.....	0.9	13
Elmvale	S7D1	.....	21	.....	22
Innisfil	S31D1	.....	.....	14.6	129
Nottawasaga	S5D1	7.8	82	7.8	82
Stayner	S10D1	12.4	300	13.1	349
Muskoka Division					
Beaumaris	M7D1	.....	.....	14.8	100

ST. LAWRENCE SYSTEM

Apple Hill	L14D1	10.5	68	10.5	83
Brockville	L3D1	6.8	39	7.2	45
Chesterville	L5D1	10.2	78	22.4	136
Martintown	L13D1	10.8	78	11.5	95
Maxville	L14D2	.....	.....	.....	2
Prescott	L2D1	14.4	72	14.6	81
Williamsburg	L7D1	0.6	1	1.9	8

OTTAWA SYSTEM

Nepean (*a*)	T1D1	69.2	363	70.9	469

(*a*) 16.8 miles transferred to Ottawa-Richmond Line.

CENTRAL ONTARIO SYSTEM

Belleville	C38D1	9.0	267	15.4	320
Bowmanville	C23D1	0.5	3	0.5	3
Campbellford	C11D1	11.0	31	11.0	32
Cobourg	C13D1	5.0	33	47.2	173
Colborne	C7D1	9.8	80	10.0	(a) 72
Kingston	C44D1	15.2	79	15.2	83
Lakefield	C18D1	.....	.....	.....	1
Napanee	C43D1	1.0	1	1.5	4
Newcastle	C22D1	1.2	3	5.0	27
Oshawa	C24D1	40.3	493	44.6	575
Peterborough	C20D1	10.2	610	26.0	740
Pickering	C24D2	6.4	99	7.8	117
Port Hope	C16D1	6.8	18	10.0	32
Trenton	C3D1	1.5	26	1.5	26
Wellington	C45D1	0.5	4	0.5	4

(a) 18 Contracts were cancelled.

NIPISSING SYSTEM

North Bay	Z4D1	1.9	110	4.2	147

DISTRIBUTION FEEDER CONSTRUCTION

During the year ending October 31, 1928, the following work was carried on in connection with distribution feeder lines.

N 1240x18—Ayr Distributing Station to H.O. Cereal Co.

During the re-construction of Ayr distribution system, it was deemed advisable to place the H.O. Cereal circuit on a separate crossarm from the Ayr circuit. A four-pin crossarm was erected on fifty poles and the H.O. Cereal circuit strung on these arms.

T 101x2—Ottawa to Richmond—17.8 Miles

A distribution feeder was required to supply the town of Richmond. As a rural line from Ottawa had been built to a point one mile distant from Richmond, this rural line was used for the purpose, and one mile of new line was built to connect this with Richmond. The complete line now consists of 7.7 miles of three-phase 8000/4600-volt circuit, and 10.1 miles of single-phase 4,600-volt circuit. The line was placed in service July 25, 1928.

L 5x503—Chesterville to Finch—8.67 Miles

A distribution feeder was required to supply power to the municipality of Finch. As a rural single-phase 4,000-volt circuit had been built for a distance of 1.67 miles from Chesterville, this rural line was used for the purpose and an additional single-phase 4,000-volt line was constructed to Finch and put in service January 31, 1928. Due to the addition of a power consumer, an additional conductor was strung to convert this line to three-phase.

This work was completed February 29, 1928.

METERING STATIONS CONSTRUCTED

Metering station	Property number	Date work was completed	Measuring power for
NIAGARA SYSTEM			
Blyth	N848	Dec. 20, 1927	Blyth
Bothwell	N1438	April 30, 1928	Bothwell
Brampton R.P.D.	N13D32	Nov. 30, 1927	Brampton R.P.D.
Brussels	N847	Oct. 20, 1928	Brussels
Chatham R.P.D.	N14D31	Oct. 1, 1928	Chatham R.P.D.
Leaside Cast Stone Co.	N348	Mar. 28, 1928	Leaside Cast Stone Co.
Rondeau Park	N1447	May 30, 1928	Ridgetown R.P.D. (*a*)
Seaforth R.P.D.	N8D40	April 25, 1928	Seaforth R.P.D.
Stucco Products, Ltd.	N336	Mar. 28, 1928	Stucco Products, Ltd.
St. Marys R.P.D.	N9D31	Dec. 12, 1927	St. Marys R.P.D.
Superior Gravel Co.	N1256	Aug. 1, 1928	Superior Gravel Co.
GEORGIAN BAY SYSTEM			
Barrie R.P.D.	S4D31	Oct. 25, 1928	Barrie R.P.D.
ST. LAWRENCE SYSTEM			
Finch	L533	April 12, 1928	Finch
CENTRAL ONTARIO SYSTEM			
Bloomfield	C4532	Dec. 7, 1927	Bloomfield
Peterborough R.P.D.	C20D31	Dec. 1, 1927	Peterborough R.P.D.
NIPISSING SYSTEM			
North Bay R.P.D.	Z4D31	Dec. 22, 1927	North Bay R.P.D.

(*a*) Includes Rondeau Park.

DISTRIBUTION STATIONS CONSTRUCTED

Distribution station	Property number	Date work was completed	Supplying power to
Clinton R.P.D.	N8D41	June, 23, 1928	Clinton R.P.D.
Tavistock (*a*)	N832	Aug. 15, 1928	Tavistock R.P.D.

(*a*) Three 15 kv-a. transformers were replaced with three 50 kv-a. transformers.

WORK DONE FOR MUNICIPALITIES AND OUTSIDE PARTIES

Municipality	Date work was completed	Nature of work
Iiderton	July 10, 1928	Addition of street lights.
Melbourne	Feb. 29, 1928	Addition of street lights
Mount Elgin Industrial School	Nov. 11, 1927	Construction of 1.15 miles of single-phase 4,000-volt pole line.
Ruscom	Jan. 4, 1928	Street lighting
Sault Ste. Marie	April 12, 1928	Report and recommendation re re-arrangement of circuits
Thornhill	Feb. 11, 1928	Street lighting
Trafalgar Twp. Area No. 2	Oct. 31, 1928	Valuation of distribution system
Woodslee	Jan. 4, 1928	Street lighting

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CANADA

PROVINCIAL AUDITOR'S REPORT

1927-28

Prepared pursuant to the provisions of an Order-in-Council dated the 28th day of October, 1909

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To The Honourable W. D. Ross,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Report of the Provincial Auditor pursuant to the provisions of R.S.O. 1927, chap. 25, sec. 13, subsec. 2, of the Audit Act.

Respectfully submitted,

J. D. Monteith,
Treasurer of Ontario.

Treasury Department, Ontario,
Toronto, February 25th, 1929.

PROVINCIAL AUDITOR'S OFFICE,
Toronto, February 25th, 1929.

SIR: I have the honour to submit for the information of the Legislative Assembly, pursuant to the provisions of an Order-in-Council dated 28th October, 1909, as provided by R.S.O. 1927, chap. 25, subsection 2 of section 31, and pursuant to the provisions of subsection 2 of section 13, and sections 27 and 28 of the Audit Act:

(A) Introduction.
(B) Legal Opinions.
(C) Treasury Board Over Rulings.
(D) Statement of Special Warrants Issued.
(E) Statement of Expenditures in Excess of Appropriations.

Respectfully submitted,

G. A. BROWN,
Provincial Auditor.

HON. J. D. MONTEITH,
Treasurer of Ontario.

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A

INTRODUCTION

Report of the Provincial Auditor

INTRODUCTION

I have the honour to submit my report for the fiscal year ended October 31st, 1928, pursuant to the provisions of Section 13 (2) of the Audit Act, R.S.O. 1927, chap. 25.

Public Accounts

The Public Accounts for the fiscal year 1927-28 were compiled with the view as heretofore of placing before Honourable Members of the Legislature information in respect to the revenues and expenditures of the Province during the fiscal year in as concise and simplified a form as possible.

By reference to the Table of Contents (page 6) and the Index to Statements (page 7) and the general index at the back of the book, any information desired may be quite readily obtained.

Audit of Revenue

As previously outlined in former reports, the same vigourous application in auditing the receipts in all branches of the Public Service has been applied throughout the year. I am pleased to report that all Departments are now keeping proper record books, with the result that collections of revenue are made promptly and a close check is being kept at all times on the revenues due the Province.

Any outstanding revenues are immediately referred to the Controller of Revenue.

COMPARATIVE STATEMENT OF THE ORDINARY REVENUE FOR THE FISCAL YEARS 1923 TO 1928, INCLUSIVE

Department	Ordinary Revenue					
	1923	1924	1925	1926	1927	1928
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Prime Minister's Department	.....	10 00	153,657 99	473,064 05	546,825 87	2,797,960 36
Legislation	18,340 66	21,560 64	31,421 29	17,811 68	21,501 59	49,121 08
Attorney-General's Department	1,611,216 40	1,888,470 66	1,797,696 49	1,743,726 10	4,827,148 06	7,767,417 92
Insurance Department	131,533 28	131,376 15	143,367 52	144,572 33	152,590 23	162,962 26
Education Department	483,385 93	571,556 83	602,871 33	530,082 52	628,282 77	524,020 88
Lands and Forests Department	1,993,448 40	3,335,206 03	3,555,006 92	3,281,329 58	3,445,763 21	3,557,462 69
Northern Development Department	.....	.....	4,639 38	395 84	4,092 38	3,069 96
Mines Department	562,872 25	593,218 15	572,717 68	799,837 67	796,084 17	894,307 04
Game and Fisheries Department	621,148 08	667,233 46	709,455 73	682,063 32	721,576 25	732,808 75
Public Works Department	14,473 89	22,506 25	10,295 31	17,691 83	16,138 60	61,164 99
Public Highways Department	4,525,928 14	5,498,028 75	8,482,939 96	10,416,491 30	10,469,820 30	11,758,004 74
Health Department	.....	83,305 49	118,913 49	162,344 17	136,592 29	130,061 45
Labour Department	758,360 83	906,414 28	912,679 73	940,250 65	1,043,300 16	1,091,707 15
Provincial Treasurer's Department	13,490,008 29	15,172,277 78	17,449,932 01	19,379,827 24	20,647,488 26	15,702,639 64
Provincial Secretary's Department	1,226,520 52	1,449,662 57	1,426,757 29	1,805,545 92	1,886,545 31	2,306,388 54
Agriculture Department	339,084 19	476,132 72	445,127 72	483,317 01	545,929 02	517,001 22
Stationery	.....	2,755 47	.....	.....	32,916 44	.....
Total—Excluding Interest	25,776,320 86	30,819,715 23	36,417,479 84	40,878,351 21	45,922,594 91	48,056,098 67
Interest	8,333,891 76	9,721,208 42	10,185,323 67	9,962,691 68	10,383,629 60	10,370,883 98
	34,110,212 62	40,540,923 65	46,602,803 51	50,841,042 89	56,306,224 51	58,426,982 65

COMPARATIVE STATEMENT OF ORDINARY EXPENDITURE FOR THE FISCAL YEARS 1923 TO 1928, INCLUSIVE

Department	Ordinary Expenditure					
	1923	1924	1925	1926	1927	1928
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Lieutenant-Governor's Office	5,400 00	5,400 00	5,450 00	5,450 00	5,450 00	5,025 00
Prime Minister's Department	1,649,451 61	1,282,233 37	327,473 97	649,104 11	255,522 43	162,053 47
Legislation	457,531 34	314,867 38	365,933 51	343,757 24	366,049 08	357,106 13
Attorney General's Department	2,343,299 32	2,201,069 48	2,510,723 12	2,004,449 59	2,479,317 61	2,132,711 16
Insurance Department	46,227 96	41,431 14	48,621 99	42,363 58	52,288 46	52,724 76
Education Department	9,835,581 26	9,283,487 65	9,259,464 03	9,190,734 39	9,514,789 22	10,052,814 57
Lands and Forests Department	1,510,878 20	1,263,128 31	1,664,453 20	1,708,365 61	1,762,231 60	1,736,923 12
Northern Development Department	1,404,139 69	1,384,317 16	1,390,824 68	1,661,028 28	1,823,918 35	2,087,566 31
Mines Department	315,454 77	324,408 66	278,115 27	291,400 07	334,972 31	331,975 45
Game and Fisheries Department	356,672 04	323,985 29	357,476 46	401,304 43	434,752 12	471,829 48
Public Works Department	1,000,640 21	850,000 31	805,181 26	749,815 65	822,120 06	867,849 61
Public Highways Department	3,302,950 41	3,001,235 05	3,534,911 91	3,348,816 90	4,196,708 58	4,578,448 17
Health Department	513,936 77	554,721 57	606,306 58	646,967 15	682,080 65	737,538 91
Labour Department	2,124,433 61	2,104,016 68	2,299,403 04	2,318,360 52	2,455,963 65	2,644,191 81
Provincial Treasurer's Department	2,156,828 30	2,025,171 41	2,134,584 17	2,218,874 41	1,882,819 55	1,891,863 87
Provincial Auditor's Office	60,886 51	72,953 83	89,862 90	100,567 31	103,024 03	100,026 68
Provincial Secretary's Department	6,084,987 15	5,438,647 49	6,216,616 65	6,008,048 64	6,547,780 81	7,425,396 20
Agriculture Department	1,996,823 18	2,137,832 36	2,239,616 86	2,240,910 78	2,339,409 12	2,494,257 42
Miscellaneous	156,307 34	84,069 31	77,926 90	173,895 83	339,511 09	421,640 67
Stationery	.....	.....	11,056 22	46,766 01	.....	30,914 10
Total—Excluding Interest	35,322,429 67	32,692,976 45	34,224,002 72	34,150,980 50	36,398,708 72	38,582,856 89
Interest, Debt Retirement, Discount on Loans, etc.	13,983,009 48	16,316,711 71	17,486,165 78	17,502,202 70	19,548,292 40	19,615,889 32
	49,305,439 15	49,009,688 16	51,710,168 50	51,653,183 20	55,947,001 12	58,198,746 21

STATEMENT SHOWING APPROPRIATIONS UNDER SUPPLY BILL, STATUTORY GRANTS AND SPECIAL WARRANTS, AND THE ACTUAL EXPENDITURE FOR THE FISCAL YEAR ENDED OCTOBER 31ST, 1928

	Appropriations under Supply Bill	Statutory Grants	Special Warrants	Total	Actual Expenditure	Appropriations Unexpended	Appropriations Exceeded
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
A Lieutenant-Governor's Office	6,050 00	.....	.....	6,050 00	5,025 00	1,025 00	.....
B Prime Minister's Department	18,276,740 17	1,050,579 96	68,659 45	19,395,979 58	9,048,930 39	10,831,737 84	484,688 65
C Legislation	382,000 00	.....	1,500 00	383,500 00	357,106 13	26,893 80	499 93
D Attorney-General's Department	2,078,875 06	135,049 58	.....	2,213,924 64	2,132,711 16	195,965 27	114,751 79
E Insurance Department	51,425 00	1,350 00	.....	52,775 00	52,724 76	274 37	224 13
F Education Department	9,503,203 00	617,923 60	36,757 10	10,157,883 70	10,201,614 43	527,133 21	570,863 94
G Lands and Forests Department	2,566,725 00	9,504 34	17,455 01	2,593,684 35	2,857,235 45	95,321 86	358,872 96
H Northern Development Department	501,700 00	3,919,084 42	6,274 28	4,427,058 70	4,294,465 73	132,617 85	24 88
I Mines Department	365,107 80	8,974 01	744 36	374,826 17	333,047 04	61,624 77	19,845 64
J Game and Fisheries Department	536,430 00	693 20	.....	537,123 20	518,054 96	54,533 36	35,465 12
K Public Works Department	3,205,032 16	25,124 86	120,481 52	3,350,638 54	2,210,705 57	1,270,807 38	130,874 41
L Public Highways Department	571,639 00	17,012,657 40	60,175 94	17,644,472 34	17,699,949 89	51,264 31	106,741 86
M Health Department	783,200 00	8,000 00	.....	791,200 00	737,538 91	135,109 71	81,448 62
N Labour Department	2,682,080 00	1,875 00	500 00	2,684,455 00	2,644,191 81	85,400 10	45,136 91
O Treasury Department	654,100 00	104,167,589 82	702,400 00	105,524,089 82	105,331,665 74	198,754 28	6,330 20
P Provincial Auditor's Office	108,350 00	6,000 00	.....	114,350 00	100,026 68	14,323 32	.....
Q Provincial Secretary's Department	6,925,139 93	10,043 75	60,040 06	6,995,223 74	7,425,396 20	186,183 00	616,355 46
R Agriculture Department	2,603,477 50	10,216 67	33,388 17	2,647,082 34	2,499,257 42	216,008 61	68,183 69
S Miscellaneous	619,745 00	.....	32,000 00	651,745 00	484,761 16	197,939 91	30,956 07
S Government Stationery Account	.....	.....	.....	.....	30,914 10	.....	.....
Total	52,421,019 62	126,984,666 61	1,140,375 89	180,546,062 12	168,965,322 53	14,282,917 95	2,671,264 26

General Remarks

During the year the staff of the Audit Office was reduced by five—two deaths, two transfers and one resignation—and it is again my desire to acknowledge my appreciation for the hearty co-operation of my Assistant and the staff in rendering a most efficient service.

G. A. Brown,
Provincial Auditor.

Toronto, February 25th, 1929.

B

LEGAL OPINIONS

B

LEGAL OPINIONS

Re Live Stock Grants

PROVINCIAL AUDITOR'S OFFICE,
Toronto, November 15th, 1927.

DEAR SIR:

Vote 91, Item 20, of the 1927-28 Estimates, under the Live Stock Branch of Agriculture, reads in part as follows:

> "To pay such grants for the encouragement of live stock as may be fixed by the Lieutenant-Governor in Council."

The Department claim that under the authority of Orders-in-Council passed in prior years, making rules and regulations to be complied with in order to fix the grants payable to the different Live Stock Associations, that further Orders-in-Council are not necessary even though the Estimates clearly state that grants for the encouragement of live stock may only be paid under the authority of the Lieutenant-Governor in Council. In view of the fact that Estimates are passed every year by the Legislature, it is my opinion that when a vote reads to be paid as fixed by the Lieutenant-Governor in Council no payment is authorized out of that particular vote unless covered by an Order-in-Council.

I would appreciate very much to have your opinion on this point.

Yours very truly,

G. A. BROWN,
Provincial Auditor.

MR. ED. BAYLY, K.C.,
Deputy Attorney-General,
Buildings.

PROVINCIAL AUDITOR'S OFFICE,
Toronto, December 9th, 1927.

DEAR MR. BAYLY:

I wrote you on November 15th last for your opinion in reference to the payment of grants out of Vote 91, Item 20, of the 1927-28 Estimates, Live Stock Branch, Department of Agriculture, without the authority of an Order-in-Council fixing the grants for the current year.

I have before me requisitions for grants based on the authority of Orders-in-Council passed in 1921 and in order that these grants will not be unduly delayed I would very much appreciate getting your opinion at your earliest convenience.

Yours very truly,
G. A. BROWN,
Provincial Auditor.

MR. ED. BAYLY,
Deputy Attorney-General,
Buildings.

DEPARTMENT OF ATTORNEY-GENERAL,
Toronto 5, December 14th, 1927.

MY DEAR MR. BROWN:

Referring to your letter of December 9th and your previous letter of November 15th, I telephoned to your office shortly after receipt of the former letter asking for copies of the Orders or some of them, containing the regulations. My view is that regulations under The Interpretation Act, like Statutes, if validly passed are to be treated as "always speaking" and if the regulations are aptly termed and validly passed, they apply to future appropriation in the same manner as if the appropriations had been in existence at the time the regulation or order was passed. I am assuming, of course, having regard to Vote 91, Item 20, 1927-28 Estimates, that any regulations under which it is proposed to pay the grants referred to, have been approved by the Lieutenant-Governor in Council. My view is that a continuing Order-in-Council is perfectly valid if its terms properly apply to a Vote, whether past, present or future.

I have not received any copies of the regulations or of the orders but the above can be taken as a general opinion subject to an inspection of the particular regulations referred to. I agree with the paragraph of your letter in which you express an opinion that if a Vote reads "to be paid as fixed by the Lieutenant-Governor in Council," no payment is authorized unless covered by Order-in-Council.

The only question is, does that Order-in-Council require to be made after the Supply Bill has been assented to or will a general Order-in-Council, aptly phrased, be continuing?

Yours faithfully,
E. BAYLY,
Deputy Attorney-General.

G. A. BROWN, ESQ.,
Provincial Auditor,
Buildings.

Re Refund of Fine—H. Harvey

PROVINCIAL AUDITOR'S OFFICE,
Toronto, January 4th, 1928.

DEAR MR. BAYLY:

May I ask if you will be good enough to let me have your opinion relative as to the power of a Judge in making his order, quashing a conviction, to direct that a fine be remitted and paid to the Solicitor for the Appellant, even though the Appellant paid the fine.

I am attaching hereto the complete correspondence and a copy of my letter to Mr. Turnbull regarding a request from the Attorney-General's Department, to have a certain cheque changed in accordance with the Judge's order, which reads in part as follows: "I do order that the appeal be allowed and that the fine amounting to $200.00 imposed on Hugh Harvey be paid to James Haverson, K.C., Counsel for the Appellant."

Yours very truly,
G. A. BROWN,
Provincial Auditor.

EDWARD BAYLY, ESQ., K.C.,
Deputy Attorney-General,
Buildings.

PROVINCIAL AUDITOR'S OFFICE,
Toronto, January 19th, 1928.

DEAR SIR:

Referring to Mr. Monkman's letter of the 17th instant attached hereto wherein he states that Mr. F. P. Brennan, Solicitor, Attorney-General's Department, requests that the cheque payable to H. Harvey for $200.00 be altered to read "Jas. Haverson, Solicitor for H. Harvey," in accordance with the Judge's order refunding the fine, may I say that the order of the Judge is nothing more than an expression of opinion, as the Court has no authority over money which has been paid into the Provincial Treasury.

I am therefore returning the cheque in favour of H. Harvey for $200.00 as in my opinion it is payable to the right and proper person.

Yours truly,

G. A. BROWN,
Provincial Auditor.

F. M. TURNBULL, ESQ.,
Assistant Provincial Treasurer,
Buildings.

ATTORNEY-GENERAL'S DEPARTMENT,
Toronto, February 6th, 1928.

MY DEAR MR. BROWN:

Referring to your letter of February 4th dealing with an order made by the late Judge McGlade authorizing the payment of a fine amounting to $200.00 imposed on Hugh Harvey to his Solicitor, I beg to say that the Judge has no authority, in my opinion, over money paid into the Provincial Treasury, and as you express it in your letter to the Assistant Provincial Treasurer, the Judge's order is in effect merely an expression of opinion, although as a rule the various officers of the Government have followed orders of this kind in the interests of justice. In this particular case I see no reason why the cheque to Mr. Harvey should be altered and unless you object I shall forward it to Mr. Haverson.

I return the papers forwarded.

Yours faithfully,

E. BAYLY,
Deputy Attorney-General.

G. A. BROWN, ESQ.,
Provincial Auditor,
Buildings.

DEPARTMENT OF ATTORNEY-GENERAL.

Memorandum for the Provincial Auditor, Buildings.

Re Harvey Cheque

Referring to previous correspondence, I beg to say that Mr. Haverson has returned this cheque with the statement that Harvey was a driver for a transportation company, that he was convicted of being in charge of a truck load of beer, that Harvey did not pay the fine, that the Crown Attorney at Cobourg knew this and that the order of the late Judge McGlade was made in consequence of this knowledge. Without in any way retracting what I have said to you in my letter of February 6th, I think under the special circumstances of this case that the cheque might be issued in favour of Mr. Haverson who would have a lien on the present cheque for an amount exceeding its face value. If you will do this, I shall be obliged.

E. BAYLY.

February 9th, 1928.

Re Chief Parole Officer

PROVINCIAL AUDITOR'S OFFICE,
Toronto, February 15th, 1928.

DEAR MR. BAYLY:

The following Vote appears annually in the Estimates and is Vote 67, Item 9, of the 1927-28 Estimates:

> "Allowance to the Chief Parole Officer for the extra-mural employment of sentenced persons towards expenses of investigation, supervision and transport."

May I ask if in your opinion that moneys advanced under this Vote to the Chief Parole Officer are *accountable*.

My opinion is that the word "allowance" precludes the Auditor from requesting an accounting of any moneys advanced, out of the above-quoted appropriation.

I would appreciate very much your interpretation as to whether or not there should be an accounting and to whom.

Yours very truly,

G. A. BROWN,
Provincial Auditor.

EDWARD BAYLY, ESQ.,
Deputy Attorney-General,
Buildings.

DEPARTMENT OF ATTORNEY-GENERAL,
Toronto 5, February 27th, 1928.

MY DEAR MR. BROWN:

Referring to your letter of February 15th, asking for an interpretation of Vote 67, Item 9, of the 1927-28 Estimates:

> "Allowance to the Chief Parole Officer for the extra-mural employment of sentenced persons towards the expenses of investigation, supervision and transport,"

that the word "allowance" indicates a grant which would *not* be the subject of an accounting, even taking into consideration the additional words of the Item. I am also of opinion that the wording of the present Item is sufficiently vague to call for a re-draft so as to make it clear.

Yours faithfully,

E. BAYLY,
Deputy Attorney-General.

G. A. BROWN ESQ.,
Provincial Auditor,
Buildings.

Re Special Warrants

PROVINCIAL AUDITOR'S OFFICE,
Toronto, March 6th, 1928.

DEAR MR. BAYLY:

Under the provisions of section 13, subsection 1 (*b*), of the Audit Act, R.S.O. 1927, chap. 25, it is enacted as follows:

> "(*b*) If, when the Legislature is not in session an accident happens to any public work or building which requires an immediate outlay for the repair thereof, or any other occasion arises when an expenditure not foreseen or provided for by the Legislature is urgently and immediately required for the public good, then, upon the report of the Treasurer that there is no legislative provision therefor, and of the Minister having charge of the service that the necessity is urgent and for the public good, the Lieutenant-Governor in Council may order a special warrant to be prepared, to be signed by the Lieutenant-Governor for the issue of the amount estimated to be required, which shall be placed by the Treasurer to a special account, against which cheques may issue, as may be required."

Having regard to the provisions of the subsection above quoted, authorizing the issue of Special Warrants, may I ask if, in your opinion, there is legal authority empowering the Lieutenant-Governor in Council to order the issue of a Special Warrant for a *grant* of money for a specific purpose, and not to be accounted for, and which may also be a matter of opinion as to its being immediately required for the public good.

I am attaching hereto a copy of an order of the Lieutenant-Governor in Council on the matter above referred to.

You will observe that the Act declares in the fourth line of subsection 1 (*b*) "or any other occasion arises when an *expenditure* not foreseen or provided for by the Legislature is urgently and immediately required for the public good."

The word "expenditure" would appear to be the subject matter of this part of the section and any unforeseen expenditure authorized by a Special Warrant must be accounted for, whereas a *grant* is not to be accounted for.

Your opinion will be very much appreciated.

Yours very truly,

G. A. Brown,
Provincial Auditor.

Ed. Bayly, Esq.,
Deputy Attorney-General,
Buildings.

Executive Council Office.

Copy of an Order-in-Council approved by His Honour the Lieutenant-Governor dated the 13th day of December, A.D. 1927.

Upon the recommendation of the Honourable the Provincial Secretary, the Committee of Council advise that pursuant to the provision of clause (*b*), subsection 1, of section 14, of the Audit Act, chap. 23, R.S.O. 1914, a Special Warrant for the sum of One Thousand Dollars ($1,000.00) be issued in favour of the Honourable the Provincial Treasurer, to be placed by him to a special account against which a cheque may be issued in connection with a grant to the Ontario Society for the Prevention of Cruelty to Animals for 1926-27, there being no legislative provision for such expenditure, and the same being urgent and necessary for the public good.

Certified,

C. F. Bulmer,
Clerk, Executive Council.

Department of Attorney-General,
Toronto 5, March 22nd, 1928.

My Dear Mr. Brown:

I have carefully considered your letter of March 6th and in the result *do not consider* that the Order-in-Council of December 13th last (a copy of which you submit) authorizing $1,000 to be placed to the credit of the Honourable the Provincial Treasurer against which cheques may be issued in connection with the grant to the Society for Prevention of Cruelty to Animals *comes fairly within section 13 (1) (b) of the Audit Act.* I may add, however, that if the Executive

Council passes an order pursuant to that section, I should think that that body was the Judge as to whether or not an occasion had arisen for an expenditure unforeseen or urgently and immediately required for the public good *and I do not think that you as Provincial Auditor would be justified in refusing to issue a cheque even on an Order-in-Council such as that of the 13th December last which to my mind is quite clearly outside the intended operation of the section of the Audit Act referred to.* It appears to me that the proper way to deal with the matter is to make a representation to the Premier indicating your views as to the proper application of section 13 above referred to and I have no doubt that he will see that no further orders which fall without its scope will be passed.

Yours faithfully,

E. Bayly,
Deputy Attorney-General.

G. A. Brown, Esq.,
Provincial Auditor,
Buildings.

C

TREASURY BOARD OVER-RULINGS

C

TREASURY BOARD OVER-RULINGS

Re Further Allowance to J. L. Pennock ($300.00)

PROVINCIAL AUDITOR'S OFFICE,
Toronto, April 25th, 1928.

HONOURABLE W. H. PRICE, K.C.,
Acting Provincial Treasurer.

DEAR SIR:

I have before me Treasury Requisition No. 306 in favour of J. L. Pennock, $300.00, being an adjustment in full *re* Theatre License.

May I be permitted to draw to your attention Vote 121, Item 5, of the 1926-27 Supplementary Estimates under Amusement Branches, "Allowance to J. L. Pennock, on account of loss occasioned through improper issue of Theatre License, $500.00."

Under the authority of the Vote above quoted, Mr. Pennock was paid the sum of $500.00.

A Special Warrant has recently been issued authorizing a further allowance of $300.00 as settlement in full.

In view of the fact that the Legislature dealt with the granting of an allowance to Mr. Pennock, it would appear to require further legislative authority increasing the allowance, and that the issuing of a Special Warrant is insufficient authority for the issuing of a cheque for a further allowance.

May I ask that the Honourable the Treasury Board give a ruling on the matter.

Yours very truly,

G. A. BROWN,
Provincial Auditor.

TREASURY DEPARTMENT,
Toronto, May 19th, 1928.

G. A. BROWN, ESQ.,
Provincial Auditor,
Buildings.

SIR:

Re Further Allowance to J. L. Pennock, $300.

I am directed by the Provincial Treasurer to acknowledge receipt of your letter of the 25th ultimo, and in reply to say that the Treasurer has submitted the matter to the Honourable the Treasury Board for a ruling.

A copy of the Minister's recommendation is herewith attached.

I have the honour to be,

Sir,

Your obedient servant,

G. J. L. JONES,
Deputy Assistant Treasurer.

Department of Provincial Treasurer,
Toronto, May 19th, 1928.

C. F. Bulmer, Esq.,
Clerk of the Treasury Board,
Parliament Buildings.

Sir:

In accordance with the provisions of section 13 of the Audit Act, chap. 25, R.S.O. 1927, I am submitting to the Treasury Board the attached Requisition No. 306 of the office of the Controller of Revenue, Treasury Department.

The expenditure of $300.00 for which this cheque should issue, in accordance with the requisition, is to pay Joseph L. Pennock of 212 Havelock Street, Toronto, an additional allowance as adjustment for a Theatre License stated to be improperly issued. The amount of the account is chargeable to a Special Warrant approved by His Honour the Lieutenant-Governor on the 19th day of April, 1928.

The Provincial Auditor has objected to the passing of this requisition, and submits that as the Legislature voted an allowance to Joseph L. Pennock in the Supplementary Estimates, 1927, the Special Warrant authorizing an additional allowance to Joseph L. Pennock is not sufficient authority for payment.

I submit that the allowance voted by the Legislature was not a payment in full, and that after further investigation the additional allowance of $300.00 is considered equitable, and having been authorized by a Special Warrant, it would appear that the account should be passed, and the cheque issued to Mr. Pennock forthwith.

Yours very truly,

J. D. Monteith,
Provincial Treasurer.

Executive Council Office

Copy of a Minute of the Treasury Board, dated the 23rd day of May, A.D. 1928.

A difference having arisen between the Provincial Auditor and the Treasury Department as to the issue of a cheque payable to Joseph L. Pennock of Toronto for Three Hundred Dollars ($300.00) chargeable to a Special Warrant approved by the Honourable the Lieutenant-Governor on the 19th day of April, 1928, said payment being in addition to the Five Hundred Dollars ($500.00) paid to the said J. L. Pennock under authority of Item 5, Vote 121, 1926-27 Supplementary Estimates, in connection with an adjustment for a Theatre License stated to be improperly issued, and the matter having been referred by the said Department for the determination of the Treasury Board, under the provisions of clause (*c*), subsection 1, of section 13, of the Audit Act, chap. 25, R.S.O. 1927;

Upon consideration of the correspondence and the facts as set out in the letter submitted by the Provincial Treasurer, the Board directs that a cheque shall forthwith issue for the amount in question.

Certified,

C. F. Bulmer,
Clerk, Treasury Board.

Re Extra allowance on Contract for Flag Pole

PROVINCIAL AUDITOR'S OFFICE,
Toronto, April 30th, 1928.

DEAR MR. HOGARTH:

I am returning herewith Public Works Requisition No. 1630 in favour of E. Cocker, $80.00, as an extra allowed on erection of flag pole at Court House, Port Arthur.

Your certificate on Mr. Heake's letter recommending the tender of E. Cocker at $280.00 under date of April 14th, 1928, would appear to be out of order in so far as Mr. Cocker's original tender of $200.00 in 1927 was accepted and the work completed and paid for in accordance with the terms of the contract.

I am, therefore, unable to authorize the issue of a cheque for the additional amount of $80.00.

Yours very truly,

G. A. BROWN,
Provincial Auditor.

GEO. HOGARTH, ESQ.,
Deputy Minister, Public Works Department,
East Block.

DEPARTMENT OF PUBLIC WORKS,
Office of the Deputy Minister,
Toronto, May 4th, 1928.

GORDON BROWN, ESQ.,
Provincial Auditor,
Buildings.

DEAR SIR:

In accordance with your letter of April 30th, and Public Works Requisition No. 1630 of April 19th, 1928, to Mr. E. Cocker for the sum of $80.00, would state that in accordance with section 13, subsection 1*c*, of chap. 25, R.S.O. 1927, the voucher has been, in accordance with the instructions of the Honourable the Minister, referred to the Treasury Board.

Yours truly,

GEO. HOGARTH,
Deputy Minister, Public Works.

EXECUTIVE COUNCIL OFFICE.

Copy of a Minute of the Treasury Board, dated the 8th day of May, A.D. 1928.

A difference having arisen between the Provincial Auditor and the Department of Public Works and Highways, as to the issue of a cheque payable to Mr. E. Cocker of Port Arthur, for Eighty Dollars ($80.00), chargeable to Vote

117, Item 147, repairs and maintenance being part of his expenditure in erecting a flag pole at the Court House, Port Arthur, and the matter having been referred by the said Department for the determination of the Treasury Board, under the provisions of clause (*c*), subsection 1, of section 13, of the Audit Act, chap. 25, R.S.O. 1927;

Upon consideration of the correspondence and the facts as set out in the letter submitted by the Minister of Public Works and Highways, the Board directs that a cheque shall forthwith issue for the amount in question.

Certified,

C. F. BULMER,
Clerk, Treasury Board.

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SPECIAL WARRANTS

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SPECIAL WARRANTS

STATEMENT OF SPECIAL WARRANTS ISSUED DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1928

Date of Warrant	SERVICE		Warrants	Expended 1927–28	Unexpended
	Prime Minister's Department				
	Advertising Tourists' Attractions in Ontario—				
	Balance unexpended, 1926-27	$5,745 98			
April 5th, 1928	Warrant	50,000 00			
Aug. 17th, 1928	"	5,000 00			
Nov. 8th, 1928	"	20,000 00	$80,745 98	$60,728 85	$20,017 13
	General Advertising—				
	Balance unexpended, 1926-27		2,816 13	477 50	2,338 63
	Expenses in connection with the celebration of the Diamond Jubilee of Confederation—				
	Balance unexpended, 1926-27	460 04			
May 8th, 1928	Warrant	2,000 00	2,460 04	2,453 10	6 94
	Hydro-Electric Power Commission, Nipissing System, Rural Line Extensions—				
Oct. 30th, 1928	Warrant		5,000 00	5,000 00	
	Legislation				
	Alex. C. Lewis, for services preparing General Index to Journals, Sessional Papers, Debates and Speeches of the House—				
Dec. 7th, 1927	Warrant		1,500 00	1,500 00	
	Education Department				
	Purchase of pamphlets, booklets, stationery and postage, and for services in connection with the Diamond Jubilee of Confederation of Canada				
	Balance unexpended, 1926-27		388 45	100 00	288 45
	Purchase and distribution of books for the Elementary and Secondary Schools of the Province of Ontario and contingencies in respect to same—				
Jan. 24th, 1928	Warrant		34,000 00	33,900 00	100 00

	Services and expenses incurred in connection with the changing of the heating system at the North Cobalt Public School No. 4, Bucke—				
Jan. 24th, 1928	Warrant	515 71			
April 19th, 1928	"	241 39	757 10	757 10	
	To assist in printing and publishing the proceedings of the International Mathematical Congress—				
May 31st, 1928	Warrant		2,000 00	2,000 00	
	Lands and Forests Department				
	To assist in paying expenses in connection with taking over a right-of-way across Lot 14, Concession A, Township of South Walsingham, and constructing thereon a roadway connecting Long Point Park with road leading into Town of Port Rowan—				
Nov. 15th, 1927	Warrant	5,000 00			
July 10th, 1928	"	7,000 00			
Oct. 30th, 1928	"	5,000 00			
Nov. 8th, 1928	"	1,000 00	18,000 00	16,915 61	1,084 39
	Expenses in connection with Exhibitions other then Toronto—				
Aug. 8th, 1928	Warrant		1,000 00	250 00	750 00
	To reimburse Mr. Wickens the cost on improvements on Grenville Island, in Wabigoon Lake, the said island having been previously patented and sold to him in error—				
Aug. 8th, 1928	Warrant		289 40	289 40	
	Northern Development Department				
	Expenses in connection with the visit of citizens from Northern Ontario to Toronto, Niagara Falls, etc., described as "The Northern Ontario Crusade."—				
Nov. 15th, 1927	Warrant		6,000 00	5,667 68	332 32
	Expenses in connection with trip of certain members of the Legislature to Northern Ontario—				
Oct. 30th, 1928	Warrant		625 00	606 60	18 40
	Mines Department				
	Expenses in connection with exploration, treatment and experiment on deposits of fire clay, silica sand and kaolin, located on the Mattagami River, below Smoky Falls—				
	Balance unexpended, 1926-27		801 88	744 36	57 52

SPECIAL WARRANTS—Continued

Date of Warrant	SERVICE		Warrants	Expended 1927–28	Unexpended
	Public Works Department				
	Purchase of house and buildings, known as 43 Queen's Park, in the City of Toronto—				
Aug. 8th, 1928.....	Warrant.....	.....	$40,300 00	$40,262 77	$37 23
	Kingston Health Association, second and final payment re purchase price of Mowat Hospital, Kingston—				
Sept. 14th, 1928.....	Warrant.....	.....	75,000 00	75,000 00	
	Purchase of property, southeast corner of Dundas and Simcoe Streets, City of Toronto—				
June 27th, 1928.....	Warrant.....	.....	1,218 75	1,218 75	
	Payment of accounts re purchase of part of Lot 6, 3rd Concession, Town of Sudbury—				
June 19th, 1928.....	Warrant.....	.....	4,100 00	4,000 00	100 00
	Highways Department				
	To pay claims for work done on the T. J. McLean contract, No. 12-23, at Caledon Hill—				
April 5th, 1928.....	Warrant.....	.....	41 95	41 95	
	Safety Committee of the Department of Public Highways, to cover the cost of their programme of advertising—				
Aug. 17th, 1928.....	Warrant.....	60,000 00			
Nov. 8th, 1928.....	"	200 00	60,200 00	60,133 99	66 01
	Labour Department				
	Trades and Labour Congress of Canada, to assist in the convention held in the City of Toronto, during the week beginning Sept. 10th, 1928—				
Sept. 24th, 1928.....	Warrant.....	.....	500 00	500 00	

	Treasury Department				
	J. L. Pennock, additional allowance in full settlement of loss occasioned through improper issue of a theatre license—				
April 19th, 1928.....	Warrant.....	.....	300 00	300 00	
	Ontario Artillery Association, grant.....	500 00			
	Ontario Rifle Association, grant.....	500 00			
	Canadian Military Institute.....	600 00			
May 8th, 1928.....	Warrant.....	.....	1,600 00	1,600 00	
	Veterans' Reunion Council, grant to assist in arrangements for Warriors' Day, Canadian National Exhibition—				
Aug. 1st, 1928.....	Warrant.....	.....	500 00	500 00	
	Agricultural Development Board, for the purchase of Debentures, issued under The Agricultural Development Act—				
Sept. 24th, 1928.....	Warrant.....	.....	1,000,000 00	700,000 00	300,000 00
	Provincial Secretary's Department				
	Essex County Sanatorium, grant—				
June 19th, 1928.....	Warrant.....	.....	50,000 00	50,000 00	
	Payment of legal defence expenses and costs re Father Minehan vs. Beemer—				
Dec. 20th, 1927.....	Warrant.....	.....	5,000 00	4,738 51	261 49
	Counsel and witnesses' fees, Zealand vs. English—				
May 23rd, 1928.....	Warrant.....	5,000 00			
Sept. 14th, 1928.....	"	500 00	5,500 00	5,301 55	198 45
	Agriculture Department				
	Salaries and expenses of organizer in connection with organizing branch associations to the Ontario Vegetable Growers' Association, re educational work and improvement of marketing—				
	Balance unexpended, 1926-27.....	486 39			
Jan. 11th, 1928.....	Warrant.....	2,500 00	2,986 39	2,560 37	426 02
	Travelling expenses of a Judging Team from the Ontario Agricultural College, entered in the Inter-College Competition at the National Dairy Show at Memphis, Tennessee—				
Nov. 2nd, 1927.....	Warrant.....	300 00			
Oct. 30th, 1928.....	"	300 00	600 00	600 00	

SPECIAL WARRANTS—Continued

Date of Warrant	SERVICE		Warrants	Expended 1927–28	Unexpended
	Agriculture Department—Continued				
Dec. 5th, 1927	Essay Contest, boys in counties and districts expenses, prizes, etc., and expenses in connection with free trip to Royal Winter Fair— Warrant		$10,000 00	$9,812 27	$187 73
May 18th, 1928	Expenses, educational work, etc., re eradication of weeds by the use of better seed and other methods— Warrant		10,000 00	8,928 11	1,071 89
Jan. 24th, 1928	One-half of the expenses of Inspectors appointed by municipalities under The Corn Borer Act, 1924— Warrant		10,500 00	10,487 42	12 58
Oct. 30th, 1928	Salvation Army, for work in conducting London Lodge, London, Ont., for reception of girls brought to the Province for employment in domestic service— Warrant		1,000 00	1,000 00	
	General Miscellaneous				
July, 4th, 1928	Ontario Olympic Committee, additional grant— Warrant		5,000 00	5,000 00	
July 10th, 1928	Soldiers' Aid Commission— Warrant		20,000 00	20,000 00	
Oct. 11th, 1928	St. John's Ambulance Association, grant— Warrant		2,000 00	2,000 00	
Oct. 30th, 1928	Ontario Society for Crippled Children, grant— Warrant		5,000 00	5,000 00	
	Total Special Warrants		$1,467,731 07	$1,140,375 89	$327,355 18

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TREASURY BOARD MINUTES

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TREASURY BOARD MINUTES

STATEMENT OF TREASURY BOARD MINUTES, ISSUED FOR EXPENDITURES IN EXCESS OF APPROPRIATIONS DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1928

	Warrant	Expended
Prime Minister's Department		
Prime Minister's Office—		
Entertainment of Distinguished Visitors	$1,500 00	$1,497 97
Executive Council Office—		
Contingencies	10,000 00	8,207 13
Civil Service Commissioner's Office—		
Contingencies	2,000 00	1,905 55
Hydro-Electric Power Commission—		
Georgian Bay System—		
Transmission and Distributing Lines Extension to Rural Districts	4,900 00	4,900 00
St. Lawrence and Ottawa Systems—		
New Developments, etc	447,977 00	447,977 00
Rideau System—		
Developments, Miscellaneous Betterments	5,201 00	5,201 00
Nipissing System—		
Transmission Lines, Miscellaneous Betterments	15,000 00	15,000 00
Legislation		
Law Office—		
Salaries	400 00	400 00
Legislative Library—		
Salaries	275 00	99 93
Attorney-General's Department		
Main Office—		
Salaries	1,350 00	1,104 61
Contingencies	2,030 00	2,021 27
Branches—		
Audit of Criminal Justice Accounts—		
Salaries	750 00	366 28
Inspection of Legal and Registry Offices—		
Contingencies	6,700 00	4,135 47
Land Titles Office—		
Salaries	1,600 00	450 00
Local Masters of Titles—		
Registration of Patents	94 50	94 50
Local Master, Cochrane, salaries and expenses	250 00	101 88
Sundry Civil and Criminal Justice—		
Commutation of Fees, Judges of Surrogate	1,000 00	25 65
Crown Attorney, Toronto and York, salaries	950 00	950 00
General, Crown Counsel Prosecutions	10,000 00	8,378 28
Administration of Justice in Districts—		
Algoma, fuel, light, etc	1,500 00	1,379 97
Kenora, administration of justice	2,000 00	1,936 77
Manitoulin, administration of justice	2,500 00	2,190 61
" salaries of gaolers, etc	600 00	500 00
" fuel, light, etc	1,500 00	1,489 45
Muskoka, salaries of gaolers, etc	700 00	600 00
Nipissing, salaries of gaolers	1,200 00	1,113 50
Sudbury, administration of justice	4,000 00	3,492 42
" salaries of gaolers, etc	2,500 00	2,297 00
Temiskaming, fuel, light, etc	3,500 00	1,393 63
Thunder Bay, administration of justice	7,000 00	6,136 74
" " salaries of gaolers, etc	1,500 00	432 92
" " fuel, light, etc	3,500 00	3,445 61

TREASURY BOARD MINUTES—Continued

Attorney-General's Department—Continued

	Warrant	Expended
Miscellaneous—		
Ontario Railway and Municipal Board, salaries	$700 00	$700 00
Public Trustee, salaries	2,087 50	1,656 81
" " Auditor's fee	1,000 00	1,000 00
" " contingencies	4,000 00	3,193 19
Fire Marshal, salaries	1,550 00	974 98
" " fire prevention, contingencies	2,000 00	1,202 39
" " lightning rod "	1,000 00	119 66
General, Commissions and sundry investigations	5,000 00	1,428 76
" revision of Statutes	60,000 00	59,810 39
" Security Frauds Prevention Act, administration	5,000 00	629 05

Insurance Department

Printing Annual Reports	300 00	224 13

Education Department

Public and Separate School Education—		
Rural, Public and Separate Schools (Counties)—		
General grants and contingencies	220,000 00	92,688 16
Urban Public and Separate Schools, special grants and contingencies	1,000 00	555 91
Rural Public and Separate Schools (Districts)—		
General grants and contingencies	309,500 00	300,093 97
Assisted Public and Separate Schools—		
Grants and contingencies	25,000 00	5,036 78
Public, Separate and Continuation Schools, Cadet Corps	2,000 00	1,000 00
Night Schools, grants and contingencies	1,500 00	1,207 49
Agricultural and Horticultural grants to School Boards, etc.	28,000 00	22,156 34
Industrial Arts, Manual Training and Household Science, grants to School Boards, etc., and contingencies	27,000 00	26,735 79
Correspondence Courses, etc	1,000 00	471 53
Continuation Schools, grants and contingencies	28,300 00	28,990 51
Fifth Classes, grants and contingencies	9,500 00	7,235 84
Special grants to Art Department and teachers in art, etc., and contingencies	1,200 00	1,171 61
Spring and Summer Schools, etc., and contingencies	13,000 00	12,048 31
General inspection, travelling expenses, etc	15,000 00	13,138 94
Auxiliary Classes, grants, etc., and contingencies	14,500 00	10,351 97
Departmental Examinations—		
Services and expenses	20,000 00	13,668 72
Extra services, Board of Examiners	500 00	500 00
Preparation of text books, salaries	500 00	500 00
Director of Professional Training Schools	200 00	200 00
Temporary teachers, Normal Schools, re illness or on leave	1,400 00	1,364 75
Grant to School Boards, teachers, etc., re music courses	1,800 00	1,652 25
Normal and Model Schools—		
Toronto, scrubbing, cleaning, etc	100 00	80 40
Hamilton, salaries	1,850 00	1,700 00
Peterborough, salaries	1,575 00	891 07
Stratford, salaries	1,600 00	1,600 00
Physical culture, apparatus, etc	50 00	33 93
North Bay, salaries	1,500 00	975 00
English-French Training Schools—		
Sturgeon Falls, salaries	1,500 00	500 00
Embrum, salaries	1,000 00	1,000 00
" Grounds	275 00	159 79
High Schools and Collegiate Institutes —		
Night High Schools	7,250 00	6,889 00
Cadet Corps	300 00	250 00
Salaries (Inspection)	600 00	600 00
Stationery, contingencies, etc	3,500 00	2,624 05
Departmental Museum, contingencies	1,100 00	1,070 84

TREASURY BOARD MINUTES—Continued

Education Department—Continued

	Warrant	Expended
Public Libraries, Art Schools, etc.—		
Salaries	$800 00	$800 00
Grants, books, contingencies, etc	6,000 00	5,995 58
Travelling libraries, books, contingencies	100 00	24 91
Belleville School for the Deaf, expenses	2,000 00	590 25
Brantford School for the Blind, salaries	1,720 00	1,332 98
Miscellaneous advertising	3,000 00	2,973 92

Lands and Forests Department

Main Office and Branches—		
Contingencies	30,000 00	25,203 45
Miscellaneous—		
Insurance	800 00	382 00
Display at Toronto Exhibition	1,200 00	1,068 12
Surveys	20,000 00	11,849 43
Rondeau Provincial Park	2,500 00	1,927 03
Quetico Provincial Park	2,000 00	1,971 25
Forestry Branch—		
Reforestation	105,000 00	75,187 82
Fire Ranging	245,000 00	220,208 52
Clearing townsites	25,000 00	21,075 34

Northern Development Department

Colonization Roads—		
Inspection roads and bridges	25 00	24 88

Mines Department

Main Office and Branches, contingencies	11,000 00	8,093 74
Miscellaneous—		
Mining Recorders—		
Salaries and expenses	12,000 00	10,989 12
Draughtsman, North Bay	1,250 00	762 78

Game and Fisheries Department

Enforcement of Game and Fisheries Act	36,725 00	35,465 12

Public Works Department

Main Office—		
Contingencies	300 00	428 73
Maintenance and repairs of Government Buildings—		
Government House—		
Water, fuel, light and power	260 00	251 13
Furniture and furnishings	2,000 00	1,246 96
Telephone service	250 00	247 04
Parliament and Departmental Buildings—		
Electric power and light current and gas	7,000 00	6,490 85
Supplies, tools, etc	800 00	776 90
Flowers, shrubs, plants, etc	600 00	512 27
Telephone services	7,200 00	5,231 21
Osgoode Hall—		
Telephone and telegraph service	750 00	606 27
General repairs and alterations	1,750 00	1,732 41
Normal and Model Schools—		
Toronto, interior painting	1,200 00	1,139 96
London, repairs and incidentals	500 00	58 71
Belleville School for the Deaf—		
Repairs and incidentals	3,000 00	865 20

TREASURY BOARD MINUTES—Continued

Public Works Department—Continued

	Warrant	Expended
Brantford School for the Blind—		
Grounds, roads and walks	$1,600 00	$1,600 00
Painting, interior and exterior	847 00	406 80
Fire protection	50 00	30 94
Alterations to dining room and kitchen	1,100 00	1,068 51
Equipment for kitchen	5,100 00	4,726 75
Monteith Northern Academy—		
Resetting boiler and steam mains	350 00	70 72
Ontario Agricultural College—		
Repairs and incidentals	5,000 00	4,854 18
Painting interior and exterior main dining hall and kitchen	3,033 47	2,125 53
Ontario Veterinary College—		
Blower for sewage plant	23 30	23 30
Horticultural Experimental Station, Vineland—		
Repairs and incidentals	1,000 00	680 11
Kemptville Agricultural School—		
Furniture and furnishings	200 00	11 50
Districts—		
Algoma—		
Repairs, alterations, etc	1,100 00	653 34
Furniture and furnishings	400 00	95 76
Cochrane—		
Repairs and alterations, etc	300 00	10 37
Steel cells, South Porcupine, including interior alterations	500 00	255 67
Nipissing, furniture and furnishings	200 00	73 18
Parry Sound, filing cases for Registry Vault	50 00	46 50
Rainy River District—		
Repairs and alterations	100 00	59 19
Furniture and furnishings	1,025 00	565 25
Sudbury, furniture and furnishings	1,125 00	1,048 46
Temiskaming, repairs and alterations	700 00	517 29
Furniture and furnishings	500 00	388 42
Thunder Bay—		
Repairs and alterations	1,350 00	1,068 10
Furniture and furnishings	800 00	59 83
Miscellaneous—		
Services, travelling and other expenses	2,800 00	2,609 65
Contingencies	50 00	28 63
Motion Picture Bureau, Trenton—		
Repairs and incidentals	500 00	215 01
Insurance, including lightning rods	3,539 73	839 73
110 University Avenue, repairs and incidentals	6,000 00	5,355 98
Public Buildings—		
Parliament Buildings, etc., additional accommodation	65,000 00	27,833 89
Ontario Hospital, Brockville—		
Construction of works etc., re laundry building	28,000 00	1,915 37
Ontario Hospital, Kingston—		
Laundry building, and machinery, furniture, etc	20,000 00	4,957 74
Mowat Wing, improvements, alterations and furnishings	45,000 00	21,179 00
Ontario Hospital, Toronto—		
Coal Trestle at boiler house	8,000 00	6,587 20
Ontario Hospital, Whitby, laundry equipment	895 00	895 00
Boys' Training School, Bowmanville—		
Purchase of land, construction of works, etc	20,000 00	16,077 26
Miscellaneous—		
Ontario Government Building, Exhibition Park, exhibits, furnishings, etc	2,000 00	1,987 01

Public Highways Department

Main Office, contingencies	45,000 00	41,049 14
Miscellaneous—		
Good Roads model exhibit	350 00	231 74
Inspector of agencies	100 00	100 00
Special Officers, enforcement Motor Vehicles Act	500 00	500 00
Constables, enforcement Motor Vehicles Act	60,000 00	55,467 28
Automobile markers and supplies	10,000 00	9,393 70

TREASURY BOARD MINUTES—Continued

Health Department

	Warrant	Expended
Division of Inspection of Training Schools for Nurses—		
Salaries	$150 00	$150 00
Nurses Registration Act, enforcement, etc	3,000 00	2,608 18
Division of Preventable Diseases—		
Outbreaks of diseases	80,000 00	78,690 44

Labour Department

Boiler Inspection Branch—		
Salaries	1,000 00	550 00
Contingencies	25 00	20 99
Factory Inspection Branch, contingencies	5,000 00	3,649 68
Minimum Wage Board, administration of Act	400 00	319 24
Mothers' Allowance Commission, allowances	53,000 00	40,597 00

Treasury Department

Succession Duties Branch—		
Salaries	925 00	25 00
Interest on deposits	4,000 00	3,926 33
Board of Censors, contingencies	2,500 00	2,191 39
Archives and Public Records	200 00	187 48

Provincial Secretary's Department

Main Office, contingencies	12,000 00	7,248 64
Children's Aid Branch—		
Salaries	1,125 00	540 61
Contingencies	800 00	320 99
Bureau of Municipal Affairs—		
Salaries	100 00	99 96
Contingencies	1,000 00	494 95
Board of Parole, temporary assistance	500 00	393 22
Hospitals and Charities—		
General Hospitals	20,000 00	15,287 30
Homes for Incurables	8,210 00	8,210 00
Maintenance of patients in Municipal Sanatoria for Consumptives	42,631 25	42,631 25
Public Institutions—		
Ontario Hospitals—		
Brockville, salaries	10,296 97	10,296 97
Expenses	5,000 00	3,684 85
Repairs to buildings, etc	5,000 00	3,631 11
Cobourg, repairs to buildings, etc	13,000 00	10,681 72
Hamilton, salaries	12,712 06	12,712 06
Expenses	48,000 00	35,372 87
Repairs to buildings, etc	22,000 00	19,952 98
Kingston, salaries	5,790 78	5,790 78
Expenses	49,000 00	43,239 52
London, salaries	7,964 67	7,964 67
Expenses	15,000 00	11,272 55
Mimico, salaries	6,419 80	6,419 80
Expenses	28,000 00	19,629 30
Repairs to buildings, etc	45,000 00	37,418 55
Orillia, salaries	18,054 87	18,054 87
Expenses	50,000 00	45,886 47
Repairs to buildings, etc	30,000 00	14,863 67
Industries, operating expenses, etc	1,000 00	995 08
Penetanguishene, salaries	7,312 26	7,312 26
Toronto, salaries	1,984 14	1,984 14
Whitby, salaries	19,347 63	19,347 63
Expenses	55,000 00	42,226 49
Repairs to buildings, etc	8,000 00	6,719 04
Woodstock, salaries	873 71	873 71
Expenses	16,500 00	15,826 99
Repairs to Buildings	19,500 00	16,876 33

TREASURY BOARD MINUTES—Continued

Provincial Secretary's Department—Continued

Public Institutions—Continued	Warrant	Expended
Guelph Reformatory, expenses	$40,000 00	$30,607 81
Ontario Brick and Tile Plant, Mimico, salaries	5,000 00	4,321 18
Industrial Farm, Burwash, expenses	55,000 00	33,695 65
Repairs to buildings, etc	13,000 00	11,280 96
Industrial, Farm, Fort William, expenses	7,500 00	4,444 73
Repairs to buildings	2,000 00	427 54
Boys' Training School, Bowmanville, salaries	272 54	272 54
Expenses	16,500 00	9,982 96
Repairs to buildings, etc	15,000 00	11,523 59
Psychiatric Hospital, salaries	7,043 09	6,872 09
Expenses	5,000 00	2,546 84
Miscellaneous—		
Removal of patients to Ontario Hospitals	2,000 00	987 61
Printing and stationery for Public Institutions	3,000 00	2,987 25
Unforeseen and unprovided	500 00	493 38
Exhibits, Canadian National Exhibition	1,650 00	1,650 00

Agriculture Department

Main Office, salaries	325 00	25 00
Agricultural and Horticultural Societies Branch—		
Salaries	250 00	250 00
To encourage local ploughing matches	1,000 00	762 98
Lecturer in Horticulture, salaries	100 00	100 00
Expenses	450 00	199 68
Seed cleaning demonstrations, etc	1,500 00	838 80
Dairy Branch—		
Salaries	450 00	450 00
Instruction, inspection, etc., re dairy products	3,100 00	2,946 01
Fruit Branch—		
Horticultural Experimental Station, salaries	1,000 00	437 50
Expenses	2,500 00	2,397 34
Agricultural Representatives Branch—		
Salaries	700 00	66 90
Contingencies	900 00	882 61
Services, expenses, etc	30,000 00	24,082 55
Markets and Co-operation Branch—		
Salaries	175 00	175 00
Contingencies	500 00	481 85
Colonization and Immigration—		
Contingencies	1,000 00	730 73
Headquarters for receiving and distributing boy and girl settlers	20,000 00	19,974 02
Salvation Army, special work re placing of boys	9,000 00	5,960 00
Kemptville Agricultural School—		
Salaries and expenses	2,300 00	993 74
Ontario Veterinary College, salaries	275 00	175 00
Demonstration Farm, Hearst, maintenance buildings, stock, etc.	5,000 00	1,206 54
Ontario Agricultural College—		
Field Experiments, salaries	1,500 00	841 43
Poultry Department, expenses	4,000 00	2,719 31
Horticultural Department, salaries	500 00	498 80
Apicultural Department, salaries	100 00	100 00
Miscellaneous—		
Removal expenses of officials	900 00	887 90

General Miscellaneous

Compensation for workmen	32,000 00	30,956 07
Total Treasury Board Minutes	$3,275,947 27	$2,670,895 31

REPORT FOR 1928

OF

The Workmen's Compensation Board

ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO:
Printed and Published by the Printer to the King's Most Excellent Majesty
1929

To His Honour William Donald Ross, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Annual Report of The Workmen's Compensation Board of Ontario for the twelve months ended December 31, 1928.

Respectfully submitted,
William H. Price,
Attorney-General.

THE WORKMEN'S COMPENSATION BOARD

V. A. SINCLAIR, K.C., Chairman
H. J. HALFORD, Vice-Chairman
GEO. A. KINGSTON, Commissioner
N. B. WORMITH, Secretary

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REPORT FOR 1928
OF
THE WORKMEN'S COMPENSATION BOARD
ONTARIO

To His Honour the Lieutenant-Governor:

The Workmen's Compensation Board begs leave to submit its Report for the year 1928, being the fourteenth year of the operation of the Act.

GENERAL REVIEW

Premises

The Board's offices remain on the 12th floor of the Metropolitan Building, corner of Adelaide and Victoria Streets, Toronto.

Accidents

The year 1928 continues to show a large increase in number of accidents over the preceding years. The reported accidents numbered 79,398, as compared with 71,979 in 1927, or an increase of nearly 33⅓ per cent. over the accidents in 1925 which numbered 60,012. Employers should carefully note this increase in number of accident and make investigations as to its causes and ascertain whether by increased efforts for accident prevention and by care, both on the part of employer and workman, this number might be reduced. Of course, an explanation of part of the increase is the active state of industry as a whole throughout the Province. While the actual number of employers has decreased from 24,700 at the end of 1927 to 23,685 for 1928, this is largely accounted for in the decreases in number of employers in Classes 1 and 24, the lumbering and general construction classes, but as the amount of the wage rolls in both these classes has increased this would not appear to indicate any lessening of industry in connection with these classes but rather the carrying on of these industries by the larger employers of labor. On the other hand, while the number of employers has decreased, the wage expenditures have again considerably increased, being $503,392,000, as compared with $440,578,000 for 1927, being about 14 per cent. increase, and practically every class showing an increased wage expenditure. Again, the increased number of accidents may be partially due to increased reporting of small accidents which either do not involve payment or involve payment of only medical aid. It would appear that of the accidents in Schedule 1 (where medical aid is paid by the Board) out of 61,384 allowed cases, in which payments of any kind were made, 30,298, or about 50 per cent., involved medical aid only, and 28,305 involved temporary disability only, leaving only 2,436 cases in which awards were made for permanent disability. There is a chance of abuse of the privileges of the Act where cases which are first aid cases only and do not need the attendance of a doctor are treated as cases for medical aid, and which may readily increase the number of accidents reported to the Board.

In any event, in spite of any explanations, the fact remains that the number of accidents is steadily increasing, and both employer and employee should put forth every endeavor to change the situation and to endeavor to avoid all accidents which can be avoided by greater care, in the kind of machines and guards supplied and in operation of plants generally.

Again the month of August records the greatest number of accidents, August, 1928, showing a total of 8,022, as compared with 7,010 in August of 1927. The fatal accidents reported during the year numbered 553, as compared with 429 during the year 1927.

Benefits

The total amount of benefits awarded under the Act during the year 1928 was $7,067,946.93, as compared with $6,084,654.87 in 1927, the increased number of accidents showing an increase of nearly $1,000,000 in benefits awarded.

Out of the total benefits so awarded in 1928, $5,732,196.10 were in Schedule 1 industries, $756,549.06 in Schedule 2 industries, and $579,201.77 in Crown cases. In Schedule 2 industries medical aid is paid by the employer, but out of $5,732,196.10 awarded in Schedule 1 industries, medical aid amounted to $1,166,507.54, again showing an increase of over $100,000 over the medical aid paid in 1927 and representing a little over 20¼ per cent. of the total amount awarded for benefits in Schedule 1.

The total benefits awarded from the commencement of the Act to the end of 1928 amounted to $70,468,049.15, while the total accidents reported during the same period numbered 719,307.

Average Rates of Assessment

Based on the provisional wage expenditure, the average rate of assessment in all classes in Schedule 1 shows an increase from the adjusted rate of $1.20 in 1927 and $1.22 for 1926 to $1.33 in 1928. These figures would emphasize the absolute necessity of lessening as far as possible the increase in accidents.

Administration Expenses

The administration expenses for the year amounted to $317,247.35, as compared with $283,718.51 in 1927. This is easily accounted for as during the year the Board decided to give the staff the benefits of group insurance as there is no pension scheme applicable to the Board's employees, and 50 per cent. of the cost of group insurance is paid as part of administration expenses. Also one of the legislative amendments subsequently referred to has required the salaries of the commissioners to be paid out of the accident fund instead of out of the Consolidated Revenue Fund of the Province. These two causes, together with the increased expense created by the extra amount of work to be handled, fully explain this increase. This is fully shown by the percentage relation of administration costs to the amount of benefits awarded, the total administration expense for 1928 being 4.49 per cent. of the total benefits awarded, as compared with 4.66 per cent. in 1927, and 4.77 per cent. in 1926. The percentage in Schedule 1 industries for 1928 was 4.76 per cent. of the benefits awarded, and in Schedule 2 and Crown cases 3.33 per cent., as compared with 4.80 per cent. in Schedule 1 and 4.04 per cent. in Schedule 2 and Crown cases for 1927.

During the year 245,540 cheques were issued, being an average of 813 daily; 32,322 assessments were made, including refunds, as compared with 31,930 in 1927; and about 5,000 pieces of mail were handled daily, with an average number of office callers of 83 a day; the ordinary increase in number of

pension payments made and the increased number of accidents, and benefits to be assessed, all meaning increase in work in all the departments.

Legislative Amendments

There were two amendments affecting the work of the Board. Chapter 26 of the Ontario Statutes for 1928 gives the Board power to divert from a workman in whole or in part the compensation to which he is entitled for the support of his wife and children where he deserts his wife and removes from the province leaving them without any good means of support so that they are apt to become a charge upon a municipality or private charity or where such workman although still residing in Ontario is not supporting his wife and children and an order has been made against such workman by a court of competent jurisdiction, so that if a workman now fails in his obligation to support his wife and family the Board may protect them by diversion of his compensation.

The same Act provides that the salaries of the commissioners shall thereafter be payable out of the accident fund instead of out of the Consolidated Revenue Fund of the Province, and shall be fixed by the Lieutenant-Governor in Council. This terminates all payments formerly made by the government towards the carrying on of the Board's operations and makes the Board henceforth self-supporting, all payments being made out of the accident fund or by the employers in Schedule 2 and by payments levied for the handling of Crown cases. This change is reflected in the increased administration expenses for the year. Also up until recent years a payment has been made to public hospitals by the government of 50 cents per day for workmen's compensation cases in such hospitals, but this has now been terminated and in consequence the Board has, on request of the Ontario Hospital Association, increased the per diem allowance for its cases in hospitals from $2.50 to $3.00 per day, commencing October 1, 1928. No further government assistance or subsidies of any kind are now being paid to assist in carrying on the work of the Board.

Amendments were also made to The Workmen's Compensation Act and to The Mining Act requiring that all workmen employed underground in any mine in Ontario shall be examined by a medical officer appointed under the provisions of The Workmen's Compensation Act at least once in every twelve months, and the Board is authorized to appoint the necessary medical officers to carry out the provisions of this Act, and the remuneration of such officers is directed to be imposed upon the employers in the mining class to be paid out of the levies imposed in respect of silicosis. This has involved the appointment of three medical men, skilled in X-ray work, who have their headquarters at Timmins for the Porcupine area, at Kirkland Lake for the Kirkland Lake and Cobalt areas, and at Sudbury for the nickel mining areas. These latter amendments became effective on the first of January, 1929, and the necessary machinery carrying out these amendments has been put into effect by the Board.

Safety Associations

The Board has spent during the year for furthering safety work the sum of $115,620.55, as compared with $117,981.51 during the year 1927. Of this amount, $19,900.00 was paid to the Lumbermen's Safety Association, $10,000.01 to The Ontario Pulp and Paper Makers' Safety Association, $78,720.54 to The Industrial Accident Prevention Associations, and $7,000.00 to the Electrical Employers' Association of Ontario.

While the payments made are slightly less, the work of these associations, which was fully referred to in the report for 1927, has been carried on vigorously

and with great enthusiasm and with a largely increased interest on the part of employers of labor and the workmen and their representatives. Twice during the year the Chairman was asked to be present at presentations of trophies in industries where there had been over a year elapse without a lost time accident in the plant, and this was a matter of as much pride to the workmen and various foremen and superintendents in the plant as to the employers themselves. These were both large plants where a large number of employees were engaged, and therefore the more notable. It is probable that a great many smaller plants reporting to the Board had the same perfect experience, but the point to be observed is that if this is possible in large plants employing a large number of men it is possible in all others. The work being unselfishly carried on by the directors and officers of these accident prevention associations should be still more enthusiastically supported by both business executives and their workmen, so that many more may be able to commemorate a year without a lost time accident in their plants

First Aid

The Board once more desires to emphasize the necessity of attention to first aid kits and establishments in all plants, and also to advise that the following regulation was passed by the Board during the year providing for a suitable first aid kit in every plant not heretofore covered by the regulations. The regulation is as follows:

> "Every employer having fifteen or less workmen usually employed shall provide and maintain in his factory or place of employment a first aid kit suitable to the employment carried on by him."

It would be quite impossible for the Board to decide in every case in a small industry what kind of first aid kit is required, but from the numerous inexpensive first aid kits on the market it is quite possible for every employer to provide himself with necessary disinfectants and first aid appliances suitable for his kind of business and the nature of the hazard involved. Any employer desiring information may obtain the same by writing to any of the safety associations.

Rehabilitation

The Board has continued to devote considerable consideration and attention to this work, and in all cases where it appeared to the Board that expenditures in this way could be advantageously employed for the benefit of the workmen the Board has very willingly assisted, but as is fully explained in the report for 1927 the number of cases in which rehabilitation can be advantageously employed is limited, and the Board is still convinced that in the great majority of cases owing to age, lack of education, foreign nationality, and other reasons, the only method of rehabilitation which can be successfully employed is by the employers supplying suitable work to the injured workmen, and once again the Board urges upon all employer their obligations to workmen injured in industry to give them employment suited to their impaired working capacity, so that with the awards which may be made by the Board for permanent partial disability the workmen may be enabled to earn a good living wage. The Board welcomes the assistance and suggestions of all employers and labor organizations in this important work.

Merit Rating

The Board has fixed the merit rating for the year 1928 in accordance with the principles set forth in the report for 1927, and these refunds will be made

in connection with the assessments for the year 1929, but the attention of employers is drawn to the fact that the merit rating made with the assessments for 1928 was for a period of three years, whereas the merit rating will now be made annually, although based on the average experience of the three preceding years, so that while a little over $300,000 was distributed in merit rating in the assessment notices for the year 1928 for the three-year period, the amount to be distributed in 1929, being for one year, will amount to $85,597.27, but in the three year period this will no doubt, if the accident experience is good, be equal to the three-year distribution made in the 1928 assessments.

Funds

As pointed out each year, the Board transfers the capitalized value of all pensions awarded, computed on a basis of an earning of five per cent. half-yearly, out of the accident fund into the Pension Fund, so that the Board may have sufficient funds invested to assure the payment of all pensions during the lifetime of the pensioners, and the funds at the end of 1928 invested to meet pensions and deferred payments amounted to $18,839,658.40 in Schedule 1 and $3,467,785.91 in Schedule 2, a total of $22,307,444.31.

The Board would draw the attention of employers to the fact that the yield from first class bonds has been continually decreasing, and it is becoming therefore increasingly difficult for the Board to secure satisfactory and safe investment for funds which will assure an earning power of five per cent. computed half-yearly upon these Pensions Reserve Funds. This is shown by the average rate on the Board's investments for each succeeding year. The average earned in 1925 amounted to 5.50 per cent., in 1926, 5.27 per cent., in 1927, 5.19 per cent., and in 1928, 5.07 per cent., and while at the present time the yield may be a little higher than last year these continually decreasing rates on the Board's investments may at an early date necessitate the making of a change in the calculations and computing the amount to be set aside from the accident fund into the Pension Fund on a basis of 4½ or 4.75 per cent. earning basis. Any such change in tables will of course increase to that extent the amount to be charged to the accident fund in respect of future accidents. Meantime the Board is devoting every attention to purchasing bonds at as high as yield as possible, having regard to absolute safety, so that any change in basis of computation of earnings may be deferred as long as possible.

In connection with the Disaster Fund, which is the only reserve fund carried by the Board to meet contingencies, it has been necessary to make a levy to meet present year's calls. This fund was created by the deduction of one per cent. from all assessments paid by employers in Schedule 1 so that it might be used in the relief of any class which might otherwise be too heavily burdened in any year by reason of some catastrophe or heavy disaster. Deductions were made of this percentage up to the year 1922, when this Disaster Fund amounted to over $260,000, when it was decided not to make further levy until necessity required it. Since 1925 the Board has charged against this emergency fund certain payments made in relief of classes where an already maimed workman has become a total disability or has become entitled by reason of his previously maimed condition to a greater award than he would otherwise have been entitled to, so that employers would be relieved of any anxiety for fear the employment of an already maimed workman would add to the burdens of the particular class to which such employer belonged. These demands have been largely met by the interest on the amount of this fund and have not yet required additional levies. However, during the year 1928 a

disaster occurred in the mine of the Hollinger Consolidated Gold Mines at Timmins, which resulted in the death of 39 miners, involving a cost to the accident fund in the neighbourhood of $150,000. This is the first substantial disaster occurring in the plant of an employer in Schedule 1 since the disaster in connection with the Consumers' Gas Company of Toronto in 1922, and at that time a contribution was made in aid of the employers in this class out of the Disaster Fund. In view of the findings of the Royal Commission of negligence in connection with the management of the mine in question, the Board after careful consideration decided that the cost of this very lamentable disaster should be charged in the following proportions, namely, one-third to the employer, one-third to the class involved, and one-third to the Disaster Fund. This involved a withdrawal from the Disaster Fund of $50,000, and in order that this important fund which has been established to carry out the principle of collective responsibility of all industries in Schedule 1 for accidents to workmen should not be depleted, the Board decided to make a levy on the employers of 1928 in their adjusted rates for that year of one per cent. for the purpose of recouping the amount paid out in connection with this disaster. This will leave the Disaster Fund at the end of 1928 with $269,263.63, as compared with $266,251.25 at the end of 1927.

The accident fund for Schedule 1 cases is kept as nearly balanced as possible, and shows that on the provisional figures for all years up to date there would be a surplus in all classes of $542,084.80 for the whole period of the operation of the Act.

The Board was pleased during the year to be able to greet the members of the newly appointed Workmen's Compensation Commission for the Province of Quebec, consisting of Robert Taschereau, K.C., Simon Lapointe, K.C., and O.E. Sharpe, to whom the Ontario Board extends best wishes for a most successful administration of The Workmen's Compensation Act of the Province of Quebec. The Board's operations were also investigated by P. M. Anderson, K.C., Chairman of the Royal Commission appointed by the Province of Saskatchewan to report upon the advisability of changes in the law relating to workmen's compensation in that Province, and it would appear that his recommendation made to the recent session of the Saskatchewan legislature was in favor of the substantial adoption of the Ontario Act. The Board is glad to welcome these investigations and to place all information, forms, and statistics of the Board freely at the disposal of any board or authority desiring its assistance.

Audit

A continuous audit of all the accounts of the Board has been carried on by Messrs. Fred Page Higgins & Company, the auditors appointed by the Lieutenant-Governor in Council under the provisions of section 74 of the Act, and their certificate is appended at the end of this report.

Contents of Report

In the different chapters and tables, as indicated in their headings, will be found information and particulars regarding compensation and assessments in the various industries, and explanations and particulars of the different funds of the Board; also an analysis and tabulation of the causes of accidents, the nature of injuries, and other information concerning accidents and workmen. The appendix contains a short summary of the operations from the commencement of the Act to the end of 1928.

CHAPTER I

SCHEDULE 1 INDUSTRIES FOR 1928

As some of the industries covered by the Act are under the collective liability system (the employer not being individually liable for accidents to his workmen but being assessed to provide a general fund out of which accidents occurring in his class of industry throughout the Province are taken care of) and others are under the individual liability system (the employer being liable to pay for accidents happening to his own workmen) separate financial statements have to be made for each. The industries under the collective liability system are included in Schedule 1, and those under individual liability in Schedule 2, the former comprising much the greater number.

This chapter deals with Schedule 1 industries for 1928. Schedule 2 industries are dealt with in Chapter II, while Chapter III deals with the work handled in both schedules and the administration of the Act generally during the year, Chapter IV with the different funds in both schedules and their standing at the end of 1928, and Chapter V gives financial and statistical information for 1927 which was not available when the report for that year was made.

Provisional Financial Statement

The provisional financial statement for the industries in Schedule 1 for 1928 is contained in Table 1. To show the standing for the year estimates have to be made of adjustments of assessments according to actual pay rolls and on the retroactive rates (the assessments for the year being first levied on an estimate of pay roll and at a provisional rate), and estimates also have to be made of compensation and medical aid still to be awarded for accidents happening during the year which have not yet been finally disposed of by reason of the injured workman being still under medical treatment or reports not being received. Final figures for the year 1928 will be shown in the next subsequent report in the same manner as the final figures for 1927 are shown in Table 15 of this report.

The difference is to be noted between the amount of compensation and medical aid awarded for the year's accidents and the amount awarded during the year. The latter is partly for the prior year's accidents, while upon the other hand it does not cover all the liability for the current year's accidents. The more correct system of charging each year as far as possible with its own accidents, and for that purpose keeping the year's accounts open till the end of the subsequent year, has been adopted, rather than the looser method of taking the amount awarded during the year as the cost of the year's accidents and leaving always an outstanding liability unprovided for. For the purpose of information and comparison, however, the amounts awarded during the year are shown in Chapter III.

Accounts for Each Class

The industries in Schedule 1 are divided into classes, and as each class (subject to any transfer that may be made to it from the Disaster Reserve in any case of undue burden) bears its own accident cost—the employers in the class being in effect a mutual insurance association—separate accounts have to

be kept for the different classes. Each class is credited with its own assessments, its share of interest and other income, and with any transfer made to it from Disaster Reserve, or credit from any other source, and is charged with the cost of its own accidents, its share of administration expenses, the cost of its safety association if it has one, and with its share of any amount set aside for Disaster Reserve.

The figures for each class, and the provisional surplus or deficit for the year, and the balance forward from prior years, and the provisional surplus or deficit for all years, are shown in Table 1. The final figures for each class and also the figures for the different groups within the classes (as in Table 15) will be shown in the next report. The assessments are fixed according to the accident cost and other expenses and charges in each class and group and having regard to the other income and credits.

The classes are numbered and the nature of the industries in each is shown at the bottom of Table 1, and full enumeration of the industries will be found in Schedule 1 of the Act and in the Board's rate book, the latter also showing the grouping within the class.

Assessments and Other Credits

The total assessments in all the classes of Schedule 1 for the year 1928, including estimated adjustments, amounted to $6,799,342.85. In assessments are included collections for default in making returns or payments and interest for under and over estimate of pay roll. The other income and credits for the year consisted of interest received other than credited to the Pension Fund, Disaster Reserve, Silicosis Fund, and Compensation Deferred, as shown in Chapter IV; reimbursement for veteran cases, received from Department of Pensions and National Health; cost of accidents collected under section 105 for failure to furnish pay roll prior to accident; recovery from third parties under Section 8; collections under Section 112 (3) from employers for failure to furnish particulars of accidents; assessments under Section 83 (4) for extraordinary accident experience; and transfer from Disaster Reserve. Other income and credits amounted to $274,708.68 (including $50,000 to be paid under Section 83 (4) making a total of $7,074,051.53, of which $85,597.27 is to be refunded for merit rating. The net income and credits for the year are, therefore, $6,988,454.26.

Compensation and Other Charges

The compensation in Schedule 1 industries for the year, including estimate for what is still to be awarded for accidents happening during the year, amounted to $5,370,765.80; the medical aid, including estimate for what is outstanding, amounted to $1,287,821.09; the administration expenses for Schedule 1 amounted to $272,778.11; $115,620.55 was paid to employers' safety associations; and $53,733.95 was transferred to Disaster Reserve. The total expenditures and charges for the year were $7,100,719.50.

The provisional deficit for the year was $112,265.24. The balance forward from prior years was a surplus of $654,350.04, which, added to the deficit for the year, makes a net provisional surplus of $542,084.80 at December 31, 1928.

Financial statement for Schedule 1 industries since the commencement of the Act is contained in the Appendix.

Number of Employers

The total number of employers listed in Schedule 1 at the end of 1928 was 23,685, as compared with 24,700 at the end of 1927. The number in each class and group of industry is shown in Table 2.

Wage Expenditure

The estimated total wage expenditure in Schedule 1 industries for the year 1928, calculated on provisional figures, is $503,392,000, as compared with $440,578,000 in 1927. The amounts for the different classes of industry are shown in Table 3.

The Board has no similar data for Schedule 2 and Crown industries as in these the employers pay for the accidents to their own workmen and are not required to make pay roll returns or pay assessments upon them as in Schedule 1. The pay roll would probably be about one-third that of Schedule 1.

Average Rates of Assessment

Assessments in Schedule 1 are in the form of a percentage of pay roll and the average rate or percentage over all the classes actually paid by the employers can be ascertained by relating the total assessments to the total wage expenditure. This, on the provisional figures, gives an average rate of assessment for 1928 of $1.33 on every $100 of pay roll. The average over all years since the commencement of the Act was $1.14.

TABLE 1

PROVISIONAL FINANCIAL STATEMENT FOR SCHEDULE 1, BY CLASSES, FOR 1928

Class	INCOME AND CREDITS (Actual and Estimated)					EXPENDITURE AND CHARGES (Actual and Estimated)										SURPLUS OR DEFICIT FOR YEAR (Provisional)	Balance Forward Prior Years	SURPLUS OR DEFICIT ALL YEARS (Provisional	Class
	Collected on Provisional Assessments	Estimated Adjustments of Assessments*	Interest, Secs. 8, 83(4), 105, 112(3), Etc.†	Assessment Refunds on account of Merit Rating	TOTAL FOR YEAR	Compensation Paid, other than Pensions‡	Transferred for Pensions Awarded	Compensation Awarded, Payment Deferred	Compensation Estimated Outstanding	Medical Aid Paid	Medical Aid Estimated Outstanding	Set Aside for Disaster Reserve	Administration Expenses	Paid to Safety Associations	TOTAL FOR YEAR				
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
1	593,967 18	238,668 77	5,423 38	11,779 35	826,279 98	195,853 65	103,962 21	2,390 00	229,611 63	90,662 76	42,841 99	5,974 62	37,693 25	19,900 00	728,890 11	97,389 87	—326,375 20	—228,985 33	1
2	372,547 64	—74,127 03	12,503 71	7,099 60	303,824 72	93,800 77	40,587 00	480 00	65,423 99	47,420 91	13,084 80	3,737 95	17,761 45	10,000 01	292,296 88	11,527 84	2,073 26	13,601 10	2
3	84,495 34	20,191 19	735 81	209 64	105,212 70	41,330 12	12,001 00	850 00	23,326 34	14,557 75	5,639 55	849 53	4,269 46	3,188 03	106,011 78	—799 08	—6,937 19	—7,736 27	3
4	187,080 58	15,604 08	3,619 71	1,447 63	204,856 74	64,464 17	26,516 00	2,535 00	56,686 18	24,993 00	16,570 54	1,873 30	9,663 85	7,216 05	210,518 09	—5,661 35	—6,397 59	—12,058 94	4
5	658,925 36	**175,300 27	84,831 69	13,378 39	905,678 93	184,868 58	250,548 86	5,820 00	323,742 49	58,127 73	66,137 42	6,592 14	32,221 90	.....	928,059 12	—22,380 19	341,635 51	319,255 32	5
6	196,327 31	45,512 58	9,878 68	4,607 92	247,110 65	56,242 21	17,590 00	820 00	176,052 75	23,302 32	25,527 45	1,968 63	9,713 30	7,252 96	318,469 62	—71,358 97	56,592 18	—14,766 79	6
7	118,215 18	3,928 10	11,105 05	1,014 15	132,234 18	38,379 64	12,013 65	.....	73,603 57	12,566 81	9,184 50	1,184 27	4,803 05	3,586 46	155,321 95	—23,087 77	117,141 02	94,053 25	7
8	137,343 63	22,182 86	2,056 67	2,257 85	159,325 31	50,306 69	28,601 00	760 00	36,663 04	24,219 65	8,322 39	1,374 27	6,161 18	4,600 58	161,008 80	—1,683 49	4,026 18	2,342 69	8
9	223,751 28	101,405 30	5,557 94	3,943 87	326,770 65	90,943 43	34,074 00	1,550 00	123,865 73	45,533 71	31,608 34	2,239 93	11,338 87	8,466 78	349,620 79	—22,850 14	42,152 82	19,302 68	9
10	279,047 12	—1,378 25	13,714 69	2,403 48	288,980 08	107,090 39	28,184 00	5,990 00	82,665 28	51,775 32	20,085 80	2,798 82	11,868 02	8,861 90	319,319 53	30,339 45	125,121 59	94,782 14	10
11	253,411 43	121,408 82	7,462 95	5,357 65	376,925 55	142,133 52	58,292 64	2,695 00	114,970 99	50,848 62	29,636 94	2,601 65	12,901 25	9,633 43	423,714 04	—46,788 49	9,212 15	—37,576 34	11
12	142,286 50	38,561 40	5,578 46	2,494 09	183,932 27	54,521 98	54,761 00	600 00	42,214 17	20,721 19	11,638 06	1,427 89	5,667 52	4,231 96	195,783 77	—11,851 50	70,478 75	58,627 25	12
13	73,640 38	21,522 88	480 68	301 62	95,342 32	23,352 88	11,335 00	125 00	27,587 76	9,006 69	6,593 46	737 36	3,200 78	.....	81,938 93	13,403 39	—36,261 26	—22,857 87	13
14	49,789 08	18,527 82	840 45	262 20	68,895 15	20,470 65	6,497 00	.....	28,690 08	12,539 95	5,738 02	498 89	2,280 10	1,702 55	78,417 24	—9,522 09	3,188 57	—6,333 52	14
15	224,752 18	15,401 92	15,812 06	1,348 02	254,618 14	78,373 25	33,366 00	2,000 00	73,323 62	36,400 40	18,723 93	2,316 51	10,262 47	7,663 04	262,429 22	—7,811 08	69,517 10	61,706 02	15
16	161,771 84	18,962 75	6,435 00	2,807 76	184,361 83	50,341 73	16,374 00	1,950 00	67,436 82	19,832 65	17,174 90	1,619 13	7,706 03	5,754 13	188,189 39	—3,827 56	34,744 09	30,916 53	16
17	92,806 03	33,476 17	5,023 31	1,624 32	129,681 19	32,055 16	19,830 00	1,235 00	35,573 15	15,147 14	8,979 42	928 41	3,058 27	2,283 63	119,090 18	10,591 01	54,232 74	64,823 75	17
18	60,293 32	10,801 52	2,362 32	135 90	73,321 26	18,218 79	.....	.....	23,113 59	10,477 35	5,778 39	609 44	2,920 67	2,180 87	63,299 10	10,022 16	—757 31	9,264 85	18
19	69,369 90	—21,366 61	5,744 18	194 40	53,553 07	25,148 95	.....	950 00	17,960 20	11,185 54	4,490 04	697 64	2,809 92	2,098 17	65,340 46	—11,787 39	53,888 11	42,100 72	19
20	174,752 98	42,652 84	3,817 73	588 78	220,634 77	71,715 28	18,484 00	800 00	72,442 90	29,174 00	11,698 98	1,761 99	9,425 63	.....	215,502 78	5,131 99	—12,774 87	—7,642 88	20
21	205,184 98	112,998 83	1,038 44	3,732 36	315,489 89	82,616 54	62,582 44	1,035 00	96,703 14	35,130 91	24,175 78	2,056 31	11,505 92	.....	315,806 04	—316 15	—13,132 72	—13,448 87	21
22	76,508 46	54,874 02	519 96	2,425 86	129,476 58	15,586 36	49,715 08	.....	35,480 08	6,557 08	8,870 02	767 10	3,454 94	7,000 00	127,430 66	2,045 92	—7,053 05	—5,007 13	22
23	308,802 83	236,221 25	7,046 25	16,182 43	535,887 90	103,819 13	132,662 00	2,815 00	190,812 82	34,477 70	47,703 19	3,092 64	18,107 08	.....	533,489 56	2,398 34	73,976 16	76,374 50	23
24	597,569 16	255,371 68	13,119 56	.....	866,060 40	261,691 24	100,327 56	1,275 00	294,510 93	101,209 40	61,748 60	6,025 53	33,983 20	.....	860,771 46	5,288 94	6,059 00	11,347 94	24
All	5,342,639 69	*1,506,703 16	†224,708 68	85,597 27	6,988,454 26	‡1,903,325 11	1,118,304 44	36,675 00	2,312,461 25	785,868 58	501,952 51	53,733 95	272,778 11	115,620 55	7,100,719 50	—112,265 24	654,350 04	542,084 80	All

*Adjusted on actual pay rolls and retroactive rates.

**Includes $50,000 assessment under Sec. 83(4).

†Includes Interest, $143,944.29; Sec. 8, $8,033.79; Sec. 105, $9,705.23; Sec. 112(3), $404.73; reimbursement from D. P. & N. H., $12,620.64; Disaster Reserve (Class 5), $50,000.

‡Includes Rehabilitation, $340.95.

Class Numbers of Industries

1. Lumbering.
2. Pulp and paper mills.
3. Furniture manufacturing, etc.
4. Planing mills, etc.
5. Mining and explosives.
6. Brick manufacturing, quarrying and glass works.
7. Rolling mills, etc.
8. Foundries, etc.
9. Fabrication structural steel, etc.
10. Metal articles, jewellery manufacturing, etc.
11. Agricultural implements, etc.
12. Gas, petroleum, paint, drugs, soap, etc.
13. Milling.
14. Abattoirs, etc.
15. Bakeries, canning, liquors and tobacco.
16. Tanneries, leather and rubber goods.
17. Textiles.
18. Clothing, power laundries, etc.
19. Printing and stationery.
20. Teaming, cartage, coal and wood yards, etc.
21. Road construction, etc.
22. Electric power, etc.
23. Steel construction, railway and canal construction, dredging, fishing, etc.
24. Building.

TABLE 2

NUMBER OF FIRMS IN SCHEDULE 1, BY CLASSES AND GROUPS, DECEMBER 31, 1928

Class	Group 0	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	TOTALS
1	196	157	1,187	.....	.....	.....	.....	.....	.....	.....	1,540
2	38	22	53	.....	.....	.....	.....	.....	.....	.....	113
3	138	31	35	118	.....	.....	.....	.....	.....	.....	322
4	380	53	75	23	130	.....	.....	.....	.....	.....	661
5	41	183	7	162	3	12	22	9	.....	.....	439
6	91	104	7	155	68	146	135	.....	.....	.....	706
7	4	12	.....	.....	.....	.....	.....	.....	.....	.....	16
8	65	33	54	41	.....	.....	.....	.....	.....	.....	193
9	18	14	1	18	173	20	.....	.....	.....	.....	244
10	272	268	36	46	50	27	171	118	.....	.....	988
11	52	782	69	3	.....	.....	.....	.....	.....	.....	906
12	57	232	102	23	229	.....	.....	.....	.....	.....	643
13	579	122	.....	.....	.....	.....	.....	.....	.....	.....	701
14	130	.....	.....	.....	.....	.....	.....	.....	.....	.....	130
15	292	239	77	270	75	360	40	.....	.....	.....	1,353
16	63	98	83	30	34	.....	.....	.....	.....	.....	308
17	133	132	59	.....	.....	.....	.....	.....	.....	.....	324
18	914	153	.....	.....	.....	.....	.....	.....	.....	.....	1,067
19	326	518	48	58	.....	.....	.....	.....	.....	.....	950
20	1,321	1,045	.....	.....	.....	.....	.....	.....	.....	.....	2,366
21	402	207	.....	.....	.....	.....	.....	.....	.....	.....	609
22	426	.....	.....	.....	.....	.....	.....	.....	.....	.....	426
23	98	79	386	.....	.....	.....	.....	.....	.....	.....	563
24	1,027	423	1,323	423	1,199	1,049	350	154	1,811	358	8,117
	All										23,685

TABLE 3

ESTIMATE OF WAGE EXPENDITURE, SCHEDULE 1, BY CLASSES, FOR 1928

Class	Wage Expenditure
1	$18,120,000
2	18,502,000
3	13,004,000
4	12,743,000
5	27,404,000
6	12,016,000
7	10,963,000
8	13,773,000
9	24,409,000
10	41,847,000
11	50,969,000
12	21,553,000
13	8,067,000
14	7,354,000
15	33,456,000
16	25,846,000
17	25,761,000
18	28,059,000
19	26,065,000
20	12,211,000
21	11,027,000
22	4,040,000
23	10,133,000
24	46,070,000
TOTAL	$503,392,000

CHAPTER II

SCHEDULE 2 INDUSTRIES DURING 1928

Table 4 is a statement of the compensation awarded and the moneys handled during 1928 in Schedule 2 industries (in which the employer is individually liable for accidents to his workmen). Dominion Crown cases under the Act by Dominion legislation, and Provincial Crown cases referred to the Board for adjustment, are included.

The total amount of compensation awarded in Schedule 2 industries and Crown cases during 1928 was $1,335,750.83. Of this amount $212,784.30 was for workmen of municipal corporations, $359,056.38 for steam railroads, $37,266.62 for electric railways, $113,158.85 for navigation companies, $5,966.91 for express and sleeping car companies, $26,665.35 for telephone and telegraph companies, $477,667.54 for Dominion Crown cases, and $101,534.23 for Provincial Crown cases. Of the total amount awarded, $725,287.40 was for pensions in pension cases, and $610,463.43 for cases not pension cases and for compensation not pensions in pension cases.

In pension cases, except in the case of municipal or government bodies or departments thereof, not so desiring, deposits must be made by employers in Schedule 2 industries. Particulars of these are given under "Deposits under Section 28." Under "Claimants' Moneys" are included moneys held by the Board under awards in which in the interest of the claimant, or for some other reason, payment of the amounts held is deferred to a later date, as in the case of minors. "Deposits under Section 32" are amounts deposited with the Board to enable the Board to make prompt payments without waiting for receipt of cheque from employer.

Employers in Schedule 2 are assessed their share of the expense of administration as set out in Table 8. For 1928 that share amounted to $23,816.76, as compared with $22,307.13 in 1927, and $20,821.89 in 1926. Proportionate to the amount of compensation awarded, administration expenses in Schedule 2 and Crown cases were 3.33 per cent. in 1928, as compared with 4.04 per cent. in 1927, and 3.44 per cent. in 1926.

Further information as to Schedule 2 funds, and particulars of Schedule 2 investments, are given in Chapter IV and in Tables 9 and 14, and in the Appendix.

TABLE 4

STATEMENT FOR SCHEDULE 2 DURING 1928

SCHEDULE 2 AWARDS

	Awards Not Pensions	Pensions	TOTALS
Municipal Corporations, etc	$84,818 30	$127,966 00	$212,784 30
Steam Railroads	132,354 98	226,701 40	359,056 38
Electric Railways	22,490 62	14,776 00	37,266 62
Navigation Companies	40,740 85	72,418 00	113,158 85
Express and Sleeping Car Companies	5,966 91	.....	5,966 91
Telephone and Telegraph Companies	10,229 35	16,436 00	26,665 35
All Others	1,650 65	.....	1,650 65
Dominion Crown Cases	251,830 54	225,837 00	477,667 54
Provincial Crown Cases	60,381 23	41,153 00	101,534 23
TOTALS	$610,463 43	$725,287 40	$1,335,750 83

SCHEDULE 2 FUNDS

Deposits under Section 28

Cash in bank and invested, January 1, 1928	$3,401,176 10	
Deposits received from employers	251,453 81	
Interest received	193,835 69	
Paid to pensioners		$313,846 33
Deposits returned to employers		96,789 72
Cash in bank and invested, December 31, 1928		3,435,829 55
	$3,846,465 60	$3,846,465 60

Claimants' Moneys

Cash in bank and invested, January 1, 1928	$35,785 92	
Deposits received from employers	2,945 00	
Interest received	1,790 75	
Paid to claimants—as principal		$6,923 00
—as interest		94 50
Cash in bank and invested, December 31, 1928		33,504 17
	$40,521 67	$40,521 67

Deposits under Section 32

Cash in bank and invested, January 1, 1928	$36,773 79	
Deposits received from employers	751,583 65	
Payments made—Compensation and Medical Aid		$744,323 15
—Rehabilitation		411 21
Deposits returned to employers		2,946 27
Cash in bank, December 31, 1928		40,676 81
	$788,357 44	$788,357 44

TOTALS OF FUNDS

Cash in bank and invested, January 1, 1928	$3,473,735 81	
Deposits received from employers	1,005,982 46	
Interest received	195,626 44	
Payments made		$1,065,598 19
Deposits returned to employers		99,735 99
Cash in bank and invested, December 31, 1928		3,510,010 53
	$4,675,344 71	$4,675,344 71

CHAPTER III

WORK HANDLED DURING 1928

This chapter deals with the work handled during 1928 and with the administration of the Act generally during the year. Particulars are given in Tables 5 to 8.

The figures are for what has been dealt with during 1928 without regard to the year in which the accidents dealt with occurred, while as explained in Chapter I the figures in Chapter I and Chapter V are for the accidents happening during the year.

Benefits Awarded during the Year

The total amount of compensation awarded during 1928 was $5,901,439.39, of which $4,565,688.56 was in Schedule 1 industries, $756,549.06 in Schedule 2 industries, and $579,201.77 in Crown cases; there was also paid for medical aid in Schedule 1 during the year $1,166,507.54, making the total benefits awarded during the year $7,067,946.93. In Schedule 2 and Crown cases medical aid is provided directly by the employer and no figures are available.

The benefits awarded during each year since the commencement of the Act are as follows:

Year	Schedule 1 Compensation	Schedule 1 Medical Aid	Schedule 2 and Crown Compensation	Total Benefits
1928	$4,565,688 56	$1,166,507 54	$1,335,750 83	$7,067,946 93
1927	3,930,417 59	1,062,859 64	1,091,377 64	6,084,654 87
1926	3,664,039 94	988,486 70	1,168,825 26	5,821,351 90
1925	3,635,530 27	875,836 01	1,054,077 11	5,565,443 39
1924	4,052,287 77	835,956 60	1,234,575 97	6,122,820 34
1923	4,036,170 26	788,905 90	1,348,785 58	6,173,861 74
1922	3,417,101 61	692,819 94	1,582,975 06	5,692,896 61
1921	3,858,017 50	662,793 89	1,668,452 10	6,189,263 49
1920	5,113,149 77	703,705 66	1,963,389 82	7,780,245 25
1919	2,808,638 65	386,298 51	997,922 77	4,192,859 93
1918	2,751,137 45	369,346 37	763,511 02	3,883,994 84
1917	2,286,954 99	*83,514 07	623,556 37	2,994,025 43
1916	1,553,653 38	†.....	451,709 93	2,005,363 31
1915	692,389 09	†.....	200,932 03	893,321 12
Totals	$46,365,176 83	$8,617,030 83	$15,485,841 49	$70,468,049 15

*Half year only. †No provision for medical aid.

The increase in benefits from the early years is largely by reason of increase in wages, compensation being for the most part a percentage of wages, and additional industries have been covered, and some material changes were made in compensation. The large total for 1920 is by reason of the retroactive increases in widows' and children's pensions, and the small amount awarded during 1915 is by reason of many 1915 accidents not being, nor capable of being, finally disposed of till the following year. The amount of benefits awarded for each year's accidents as distinguished from the amount awarded during the year is shown in Chapter V.

Accidents Reported during the Year

During 1928, 79,398 accidents were reported. These included some not serious enough to involve payment of either compensation or medical aid and

for which no claim was made and others for which claims were made but which were not allowed by the Board.

At the close of the year there were 2,124 claims in assembly, as compared with 1,458 at the end of 1927, notice of the accident having been given but reports necessary to deal with the case not yet having been received.

The number of accidents reported each year and the total number since the commencement of the Act are as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1928	69,011	5,815	4,572	79,398
1927	62,063	5,412	4,504	71,979
1926	57,032	4,942	3,942	65,916
1925	50,883	5,079	4,050	60,012
1924	49,558	4,916	4,201	58,675
1923	51,655	6,080	3,374	61,109
1922	42,139	7,124	1,148	50,411
1921	36,272	7,666	1,253	45,191
1920	46,177	7,222	1,452	54,851
1919	36,236	7,918	106	44,260
1918	40,662	7,113	73	47,848
1917	30,701	5,813	18	36,532
1916	21,269	4,806	17	26,092
1915	13,878	3,144	11	17,033
Totals	607,536	83,050	28,721	719,307

Accidents Paid For during the Year

Table 5 shows the number of accidents in which compensation or medical aid was paid during the year. The total number was 66,532, as compared with 61,078 during 1927. The 66,532 comprised 453 deaths, 9 permanent total disability cases, 2,724 permanent partial disability cases, 33,048 temporary disability cases, and 30,298 cases in which medical aid only was paid. Schedule 2 and Crown cases involving medical aid only, which are a large proportion of the accidents reported, are not included as accidents paid for as the medical aid is furnished directly by the employer.

The number of accidents in which compensation or medical aid was awarded each year since the commencement of the Act is as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1928	61,384	2,723	2,425	66,532
1927	55,894	2,741	2,443	61,078
1926	52,199	2,489	2,182	56,870
1925	47,782	2,734	2,217	52,733
1924	46,616	2,820	2,475	51,911
1923	47,873	3,849	1,916	53,638
1922	37,172	4,572	765	42,509
1921	34,271	5,161	834	40,266
1920	42,693	4,444	714	47,851
1919	34,400	4,517	153	39,070
1918	36,565	4,335	30	40,930
*1917	25,277	3,406	19	28,702
*1916	15,370	2,825	3	18,208
*1915	8,328	1,494	7	9,829

*Cases involving medical aid only not covered till July 1, 1917.

Awards Changed

In addition to claims compensated, as shown in Table 5, the Board in 1928 re-opened for further award 209 claims which had been settled previously.

Cheques, Assessments, Mail and Callers

In all 245,540 cheques were issued during the year, an average of 813 daily, and there were 32,322 assessments made, including refunds. About 5,000 pieces of mail were handled daily, and the average number of office callers was 83 a day.

Receipts and Payments

The receipts and payments during the year are shown in Table 6, the statement for Schedule 2 including Crown cases. Explanation of the items and the funds referred to will be found in other parts of the report. A summary of receipts and payments since the commencement of the Act is given in the Appendix.

Payments to Safety Associations

The safety or accident prevention associations are organizations of employers established under the authority of the Act by the employers in eighteen out of the twenty-four classes of industry. They are under the management of the employers, but the expenses are paid by the Board out of the accident fund.

Table 7 gives the names of these associations, the classes of industry covered, the names and salaries of their inspectors, the amounts paid for travelling expenses and granted for other expenses, during 1928. The total expenses for the year were $115,620.55.

Administration Expenses

The administration expenses of the Board, analyzed under the different headings, are shown in Table 8. The total administration expenses during 1928 were $317,247.35, as compared with $283,718.51 in 1927. The employers pay the whole of this expense, the amount being divided, according to the accidents handled, among Schedule 1, Schedule 2, and Dominion and Provincial Crown. The amount charged to Schedule 1 employers for the year was $272,778.11, to Schedule 2, $23,816.76, to Dominion Crown, $17,718.58, and to Provincial Crown, $2,933.90.

The cost of office furniture, fixtures, and equipment, including permanent equipment, has always been charged to administration expenses in the year in which payment therefor was made, and no entry for which has ever been made in the standing of the funds. The value of this furniture and equipment at the present time is estimated at about $25,000.

The total administration expenses for 1928 were 4.49 per cent. of the benefits awarded. The administration expenses in Schedule 1 for 1928 were 4.76 per cent. of the benefits awarded, those in Schedule 2 and Crown being 3.33 per cent.

TABLE 5

COMPENSATION, MEDICAL AID, AND ACCIDENTS PAID FOR DURING 1928

Compensation Awarded during 1928

Schedule 1	$4,565,688 56
Schedule 2	756,549 06
Crown Cases	579,201 77
Total	$5,901,439 39

Medical Aid Paid during 1928

Schedule 1	$1,166,507 54
Schedule 2	furnished by employer
Crown Cases	furnished by employer

Accidents Paid For during 1928

	Medical Aid only	Temp. Dis.	Perm. Partial Dis.	Perm. Total Dis.	Death	TOTALS
SCHEDULE 1—						
Full Compensation	.....	25,915	2,430	6	309	28,660
Part Compensation	.....	2,390	.....	.....	36	2,426
Medical Aid Only	30,298	.....	.....	.....	.....	30,298
Totals	30,298	28,305	2,430	6	345	61,384
SCHEDULE 2—						
Full Compensation	.....	2,267	158	2	64	2,491
Part Compensation	.....	230	.....	.....	2	232
Totals	.....	2,497	158	2	66	2,723
CROWN CASES—						
Full Compensation	.....	2,069	136	1	42	2,248
Part Compensation	.....	177	.....	.....	.....	177
Totals	.....	2,246	136	1	42	2,425
GRAND TOTALS	30,298	33,048	2,724	9	453	66,532

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1928

Schedule 1

Receipts			Payments		
Cash in Banks, Jan. 1, 1928:			Overdraft—Dominion Bank...		$42,097 76
Can. Bank of Commerce...	$568 31		Compensation paid other than Pensions and Compensation Deferred.....		2,659,118 41
Royal Bank...	2,026 92		Pensions Paid.....		1,429,861 11
		$2,595 23	Deferred Compensation Paid..		38,488 90
Net Assessments, Penalties, etc., collected:			Rehabilitation Paid.....		4,438 13
Gross Assessments.....	6,426,053 79		Medical Aid Paid.....		1,161,696 49
Merit Rating Charges.....	364 72		Silicosis Paid.....		36,400 21
Under Sec. 8...	10,483 75		Paid under Sec. 8.....		2,449 96
Under Sec. 105	9,705 23		Administration Expenses.....		317,247 35
Under Sec. 112 (3).....	404 73		Paid to Safety Associations....		115,620 55
From D.P. & N.H.....	12,620 64		Invested.....$2,618,760 74		
	$6,459,632 86		Increase in value of investments by accumulation of discounts.....	23,168 53	
Less: Assessments and Penalties refunded....	56,916 49				2,641,929 27
Merit Rating Refunds....	301,614 90				
	$358,531 39				
		6,101,101 47			
Interest.....		936,781 76	Cash in Banks, Dec. 31, 1928:		
From Schedule 2 employers and Dominion Crown for administration expenses account of prior years paid out of Schedule 1 in 1927.....		44,123 45	Can. Bank of Commerce....	3,315 25	
Principal returned from investments.....	$954,259 38		Royal Bank...	2,165 81	
Decrease in value of investments by amortization of premiums...	40,883 25				5,481 06
		995,142 63			
Silicosis.....		239,249 80			
From Dominion Bank—overdraft.....		135,834 86			
		$8,454,829 20			$8,454,829 20

TABLE 6—Continued

Schedule 2

Receipts			Payments		
Cash in Imperial Bank, Jan. 1, 1928		$9,808 53	To Claimants out of Deposits under Sec. 28		$313,846 33
From Employers for Deposits under Sec. 28		251,453 81	Deposits returned to Employers under Sec. 28		96,789 72
From Employers for Claimants' Moneys		2,945 00	To Claimants out of Claimants' Moneys:		
From Employers for Deposits under Sec. 32		751,583 65	Principal	$6,923 00	
Interest		195,626 44	Interest	94 50	
Principal returned from investments	$81,956 18				7,017 50
Decrease in value of investments by amortization of premiums	919 17		Paid out of Deposits under Sec. 32:		
		82,875 35	For Compensation	719,585 74	
			For Medical Aid	24,737 41	
					744,323 15
			Deposits returned to Employers under Sec. 32		2,946 27
			Rehabilitation Paid		411 21
			Invested	$46,911 51	
			Increase in value of investments by accumulation of discounts	5,688 51	
					52,600 02
			Cash in Imperial Bank, Dec. 31, 1928		76,358 58
		$1,294,292 78			$1,294,292 78

TABLE 7

PAYMENTS TO SAFETY OR ACCIDENT PREVENTION ASSOCIATIONS, 1928

Association	Class	Inspectors	Salaries	Paid for Salaries	Travelling Expenses	Grants for Expenses	TOTAL PAID
			$ c.	$ c.	$ c.	$ c.	$ c.
Lumbermen's Safety Association	1	R. F. Milne	2,400 00 a year	2,400 00	Included in grants	17,500 00	19,900 00
The Ontario Pulp and Paper Makers' Safety Association	2	A. P. Costigane	5,000 00 a year from Jan. 1	5,000 01	Included in grants	5,000 00	10,000 01
Industrial Accident Prevention Associations	3	F. G. Lovett	195 a month to Jan. 31, $200 a month thereafter.	2,395 00	955 30		
	4	S. Twist		2,395 00	873 03		
	6	D. J. Hay		2,395 00	659 20		
	7	J. W. MacFarlane		2,395 00	698 65		
	8	Wm. Sutherland		2,395 00	1,099 50		
	9						
	10	F. F. Arnold	185 a month to Jan. 31, $190 a month thereafter				
	11						
	12						
	14			2,275 00	426 65		
	15	W. H. Cox	190 a month to Jan. 31, $195 a month thereafter				
	16						
	17						
	18			2,335 00	591 41		
	19	H. Mabson	160 a month to Jan. 31, $175 a month thereafter	2,085 00	468 60		
		Geo. A. Stark	150 a month to Jan. 31, $165 a month thereafter	1,965 00	813 20	51,500 00	78,720 54
Electrical Employers' Association of Ontario	22	Wills Maclachlan	3,000 00 a year	3,000 00	Included in grants	4,000 00	7,000 00
				31,035 01	6,585 54	78,000 00	115,620 55

TABLE 8

ANALYSIS OF ADMINISTRATION EXPENSES DURING 1928

Salaries of Board and Staff	$229,846 73	
Travelling Expenses of Board and Staff	10,298 84	
Printing, Stationery, and Office Supplies	20,016 84	
Postage and Excise Stamps	20,782 45	
Telephone, Telegraph, and Express	1,092 78	
Legal Expenses, Witness Fees, etc	753 67	
Medical Examinations, X-ray Supplies, etc	970 97	
Workmen's Travelling Expenses	268 85	
Insurance and Security Service	3,977 16	
Auditor's Services—under instructions of Attorney-General	2,500 00	
Rent of Premises, Electric Current, and Miscellaneous Services	23,157 95	
Permanent Equipment	3,570 73	
Sundry Expenses	10 38	
Total Administration Expenses, 1928		$317,247 35
Charged to Dominion of Canada	$17,718 58	
Charged to Province of Ontario	2,933 90	
Charged to Schedule 2 Employers	23,816 76	
Charged to Schedule 1 Employers	272,778 11	
		$317,247 35

CHAPTER IV

CONDITION OF FUNDS

A general statement of the condition of the funds in Schedule 1 and in Schedule 2 is contained in Table 9, and particulars of the various funds and of the Board's investments are given in Tables 10 to 14. A summary since the commencement of the Act will be found in the Appendix.

Schedule 1 Funds

The Schedule 1 funds are known and referred to in the Act as the "Accident Fund." They comprise, in addition to current funds out of which temporary payments of compensation, medical aid, and administration expenses are paid, the Pension Fund, Disaster Reserve, and Compensation Deferred. The standing of the Accident Fund, showing assets and liabilities, at December 31, 1928, is shown in Table 9. The balance of assets in excess of liabilities at that date was $1,028,781.75, being $269,263.63 Disaster Reserve, $217,433.32 accrued interest on investments, and $542,084.80 standing at the credit of the classes December 31, 1928. This is exclusive of office furniture and equipment mentioned in Chapter III.

Pension Fund

The Pension Fund, representing the outstanding pension liability, comprises the largest part of the funds standing to the credit of Schedule 1. The purpose of the Pension Fund is to take care of future payments of pensions which have already been awarded. Actuarial tables (published as an appendix to the Report for 1922), embodying the contingencies of death and remarriage, have been compiled to show for each age and kind of pension the average amount (sometimes referred to as capitalized value) necessary to complete pension payments. When a pension is awarded this average amount is transferred from current funds to the Pension Fund. All payments of pensions are made from the Pension Fund. Since the amount transferred in any one instance is the average amount required, no re-transfer is made should a residue be left at the expiry of the pension, nor is any additional transfer made should the amount be exhausted before expiry of the pension.

Re-transfer from Pension Fund

During the years 1923 and 1924 an actuarial survey of the Board's pension experience and revaluation of the pension liability was made, all existing pensions being revalued. As a result the Pension Fund was found to be a little in excess of what the experience indicated to be necessary. As at date of January 1, 1924, a re-transfer of $600,000 was accordingly made from the Pension Fund to current funds, being distributed among the different classes of industry in proportion to the amount of Pension Fund to the credit of each class.

As of date October 31, 1925, actuarial revaluation of all outstanding pension fund obligations was made, the Board's actuarial tables being used. To the liability for each class thus ascertained was added a surcharge of two per cent. to allow for possible divergence of actual from expected mortality. Deduction was made of the surcharged liability in total for all the classes from the balance in the Pension Fund and the difference was re-transferred to the current funds,

proportional to each class according to the balance in the Pension Fund. The sum transferred amounted to $427,214.62.

Further revaluation was made as of dates, October 31, 1926, October 31, 1927, and October 31, 1928. On October 31, 1928, the Pension Fund showed $15,831,708.16 as a balance with liabilities of $15,579,097.01, a surplus of $252,611.15. The two per cent. surcharge in 1925 amounted to $253,062.51, and with accumulation of interest, October 31, 1928, amounted to $291,087.61. The difference between actual and expected losses was, therefore, $38,476.46.

Particulars of Pension Fund

Table 10 gives particulars of the Pension Fund for each class. The balance in the fund at the commencement of 1928 was $14,816,972.31; $1,823,663.81 was transferred during the year for pension awards; $760,077.30 interest (at the rate of five per cent. per annum compounded half-yearly, which is the basis used in computing capitalized values of pensions) was added; and $1,429,861.11 was paid for pensions. The balance in the fund at the end of the year was $15,970,852.31.

The transfers for pension awards during the year included $13,722.20 transferred from the Disaster Reserve to meet the extra cost of incurred disabilities superimposed upon previous disabilities, and $14,695.00 transferred from Silicosis Account to provide for pensions in cases of silicosis in Class 5.

Disaster Reserve

The Disaster Reserve is a fund set aside under the provisions of Section 99 (2) of the Act to meet any unforeseen disaster or other circumstances which might unduly burden the employers in any class of industry. The fund has been accumulated by a transfer of one per cent. of the gross assessments up to the end of 1922, and for the year 1928. These are the only moneys set aside or held by the Board which do not directly cover liabilities actually incurred by reason of accidents which have already happened.

The standing of the Disaster Reserve is shown in Table II. The balance at the end of 1928 was $269,263.63, $13,000.63 interest for the year, and $53,733.95 transferred from assessment receipts for 1928, being added to the balance of $266,251.25 in the fund at the beginning of the year, and $50,000 withdrawn on account of Class 5 as a result of the disaster at the Hollinger Consolidated Gold Mines on February 10, 1928, and $13,722.20 transferred to the Pension Fund.

Compensation Deferred

The funds included under "Compensation Deferred", comprise compensation moneys held at interest for claimants in Schedule 1, payment being deferred to a future time by reason of the claimant being a minor or for other reason. The condition of the fund is shown in Table 12. At the beginning of the year the amount on hand was $87,652.38; deferred awards during the year amounted to $50,350.00 and $4,411.29 interest was added during the year; the payments during the year amounted to $38,488.90, of which $34,218.88 was for principal and $4,270.02 for interest, leaving a balance of $103,924.77 at the end of the year.

Silicosis Account

Table 13 gives particulars of the Silicosis Account which was established to take care of special assessments and payments in Class 5 necessitated by the

addition of "Silicosis" contracted in mining operations to the list of industrial diseases under the Act, by amendment effective April 8, 1926. The balance in the account at the beginning of 1928 was $53,410.93; $239,249.80 was collected by assessment, and $15,348.25 added as interest; withdrawals were $51,095.21, of which $42,813.21 was for compensation, $4,811.05 for medical aid, $655.20 for salaries and expenses, and $2,815.75 for salaries and expenses of Referee Board. The balance in the account December 31, 1928, was $256,913.77.

Investments

Particulars of the Board's investments are given in Table 14.

The total invested at the end of the year in Schedule 1 was $18,839,658.40, consisting of $16,975,438.44 value of investments at the beginning of the year, $2,641,929.27 invested during the year, $217,433.32 accrued interest (earned but not received) less $995,142.63 principal returned.

Particulars of each investment are shown in the list, including kind of investment, particular security, yield of interest, term, par value, book value, and accrued interest.

With the exception of short-date deposits of current funds intended for use before the current year's assessments are received, all investments consist of Province of Ontario bonds, municipal or municipally-guaranteed debentures, and Dominion of Canada guaranteed bonds.

The average rate of interest received on permanent investments in Schedule 1 during 1928 was approximately 5.07 per cent., as compared with 5.19 per cent. in 1927, and 5.27 per cent. received during 1926. Three per cent. is received on current bank balances.

Schedule 2 Funds

The funds handled by the Board in respect of Schedule 2 industries include employers' deposits for pensions required to be made with the Board under the provisions of Section 28 of the Act, temporary deposits or advances of money made by employers under Section 32 to facilitate prompt payment of claims, and claimants' moneys held by the Board in cases of awards payment of which by reason of the claimant being a minor or for other reason is deferred to a future time.

The standing of Schedule 2 funds at December 31, 1928, is shown in the latter part of Table 9, and the particulars and a list of Schedule 2 investments are given in Table 14.

At the end of 1928 the deposits held under Section 28 amounted to $3,435,829.55, deposits under Section 32 to $40,676.81, the amount of claimants' moneys held by the Board was $33,504.17, and the accrued interest on investments, not received or apportioned, amounted to $34,133.96, making a total of $3,544,144.49, of which $3,433,651.95 was held in permanent investments, $76,358.58 was on deposit in the Imperial Bank, and $34,133.96 was interest accrued on investments but not yet payable.

The rate of interest on Schedule 2 funds during 1928 was 5.908 per cent., as compared with 6.04 per cent. during 1927, and 5.85 per cent. during 1926.

TABLE 9

STANDING SCHEDULE 1 ACCIDENT FUND AS AT DECEMBER 31, 1928

Assets			Liabilities		
Cash in Banks:			Overdraft—Dominion Bank...		$135,834 86
Bank of Commerce.....	$3,315 25		Compensation Deferred, other than Pensions.....		103,924 77
Royal Bank...	2,165 81		Pension Liability.....		15,970,852 31
		$5,481 06	Compensation estimated outstanding.....		2,312,461 25
Short Date Deposits.....		800,000 00	Medical Aid estimated outstanding.....		501,952 51
Investments		17,822,225 08	Balance of Silicosis Account at credit of employers.....		256,913 77
Accrued Interest on Investments.....		217,433 32	Assets in Excess of Liabilities:		
Due from Schedule 2 employers for Administration Expenses paid out of Schedule 1 Funds		23,823 39	Disaster Reserve.....	$269,263 63	
Due from Dominion of Canada for Administration Expenses paid out of Schedule 1 Funds		17,718 58	Accrued Interest on Investments.....	217,433 32	
Due from Province of Ontario for Administration Expenses paid out of Schedule 1 Funds		2,933 90		$486,696 95	
Assessments estimated to be due on adjustment of 1928 payrolls (see Table 1)..	$1,506,703 16		Balance at Credit of Classes (Table 1).....	542,084 80	
Less:					1,028,781 75
Merit Rating Refunds to be made.....	85,597 27				
		1,421,105 89			
		$20,310,721 22			$20,310,721 22

STANDING SCHEDULE 2 FUNDS AS AT DECEMBER 31, 1928

Cash in Imperial Bank.....	$76,358 58		Balance Employers' Deposits under Section 28.....	$3,435,829 55
Investments.....	3,433,651 95		Balance Employers' Deposits under Section 32.....	40,676 81
Accrued Interest on Investments.....	34,133 96		Claimants' Moneys held by Board.....	33,504 17
			Accrued Interest on Investments not received or apportioned.....	34,133 96
		$3,544,144 49		$3,544,144 49

TABLE 10

PENSION FUND, SCHEDULE 1 BY CLASSES, DECEMBER 31, 1928

Class	Balance Forward from 1927	Pension Awards during 1928	Interest Received	Pension Payments	Balance as at Dec. 31, 1928	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	1,803,211 93	186,478 21	91,822 47	165,347 33	1,916,165 28	1
2	878,073 25	112,902 00	45,190 78	83,733 63	952,432 40	2
3	204,747 50	21,037 00	10,363 36	21,114 93	215,032 93	3
4	567,928 91	49,808 00	28,611 72	55,326 39	591,022 24	4
5	1,741,718 00	†299,581 70	91,318 65	175,367 49	1,957,250 86	5
6	626,722 59	64,521 00	31,812 13	61,190 58	661,865 14	6
7	540,640 73	15,825 38	26,463 35	51,641 04	531,288 42	7
8	324,452 16	46,708 02	16,781 76	32,629 16	355,312 78	8
9	682,189 59	*83,872 00	35,028 63	64,404 09	736,686 13	9
10	888,401 25	51,818 00	44,184 18	83,072 70	901,330 73	10
11	613,504 11	114,904 64	32,548 68	56,039 12	704,918 31	11
12	494,892 95	68,968 00	25,532 08	50,078 78	539,314 25	12
13	356,510 74	45,465 05	18,248 95	37,540 47	382,684 27	13
14	162,403 73	6,497 00	8,009 35	14,885 66	162,024 42	14
15	579,749 54	47,963 00	29,108 30	57,504 45	599,316 39	15
16	362,660 13	26,637 00	18,270 28	30,168 45	377,398 96	16
17	363,922 78	28,946 00	18,289 45	34,245 38	376,912 85	17
18	65,718 36	9,745 00	3,422 06	5,988 92	72,896 50	18
19	221,773 15	2,211 00	10,842 80	17,399 97	217,426 98	19
20	325,923 43	20,073 00	16,246 55	30,080 49	332,162 49	20
21	480,788 56	131,402 44	26,391 87	50,337 68	588,245 19	21
22	273,853 79	57,022 08	14,569 65	29,138 43	316,307 09	22
23	842,274 21	162,849 48	44,751 90	79,421 49	970,454 10	23
24	1,414,910 92	168,428 81	72,268 35	143,204 48	1,512,403 60	24
	14,816,972 31	1,823,663 81	760,077 30	1,429,861 11	15,970,852 31	

*Transferred from Disaster Reserve:
Class 9..... $13,722 20

†Transferred from Silicosis Account:
Class 5..... $14,695 00

TABLE 11

DISASTER RESERVE, DECEMBER 31, 1928

Disaster Reserve as at December 31, 1927		$266,251 25
Amount credited in 1928		53,733 95
Interest credited in 1928		13,000 63
		$332,985 83
Withdrawn account Class 5	$50,000 00	
" " " 9	13,722 20	
		63,722 20
Amount as at December 31, 1928		$269,263 63

TABLE 12

COMPENSATION DEFERRED, DECEMBER 31, 1928

Balance in fund, December 31, 1927		$87,652 38
Compensation awarded, payment deferred, during 1928		50,350 00
Interest credited for 1928		4,411 29
		$142,413 67
Paid claimants during 1928:		
Principal	$34,218 88	
Interest	4,270 02	
		38,488 90
Balance December 31, 1928		$103,924 77

TABLE 13

SILICOSIS ACCOUNT, DECEMBER 31, 1928

Balance in fund, December 31, 1927		$53,410 93
Assessments collected under Class 5		239,249 80
Interest credited in 1928		15,348 25
		$308,008 98
Payments made:		
For Compensation	$42,813 21	
For Medical Aid	4,811 05	
For Salaries and Expenses	655 20	
For Salaries and Expenses of Referee Board	2,815 75	
		51,095 21
Balance December 31, 1928		$256,913 77

TABLE 14

INVESTMENTS, DECEMBER 31, 1928

Schedule 1

Book Value of Investments, January 1, 1928	$16,975,438 44
Invested during year	2,641,929 27
	$19,617,367 71
Less Principal returned	995,142 63
Book Value of Investments, December 31, 1928, Principal	$18,622,225 08
Plus Accrued Interest to December 31, 1928	217,433 32
Total Book Value of Investments, December 31, 1928	$18,839,658 40

Schedule 2

Book Value of Investments, January 1, 1928	$3,463,927 28
Invested during year	52,600 02
	$3,516,527 30
Less Principal returned	82,875 35
Book Value of Investments, December 31, 1928, Principal	$3,433,651 95
Plus Accrued Interest to December 31, 1928	34,133 96
Total Book Value of Investments, December 31, 1928	$3,467,785 91

LIST OF INVESTMENTS

SCHEDULE 1 FUNDS

Municipal Debentures

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Amherstburg	5.50	1929–1938	16,042 15	16,429 06	42 20
Arthur	5.50	1929–1930	547 28	539 35	2 10
Belleville:	6.25	May 15, 1941	65,000 00	63,606 58	491 51
	5.35	Jan. 2, 1942	14,000 00	14,844 06	.....
	5.35	Apr. 5, 1942	13,000 00	13,804 49	185 92
	5.30	May 1, 1952	120,000 00	123,207 20	1,103 02
	5 30	1947–1949	20,000 00	19,277 84	167 12
	5.041	1943–1954	156,000 00	145,541 67	1,769 45
Brampton:	5.50	1929–1934	8,816 58	8,956 79	23 20
	5.50	1929–1944	2,502 53	2,330 60	4 95
Brantford:	6.25	Dec. 31, 1942	10,000 00	8,383 18	.....
	6.20	1929–1939	68,750 00	66,470 41	.....
	5.972	1937–1947	52,200 00	52,333 80	.....
	5.535	1940–1949	53,000 00	49,984 29	116 15
	4.95	1941–1953	13,000 00	13,864 39	31 34
	5.	Dec. 31, 1950	5,000 00	4,337 40	.....
Bridgeburg	5.	1950–1956	13,403 01	14,348 62	401 90
Blind River (guaranteed by Province of Ontario)	4.70	1929–1948	40,000 05	39,665 87	1,208 20
Carleton Place	5.50	1930–1941	14,659 99	14,659 99	37 55
Cobourg	5.30	Jan. 1, 1934	6,000 00	5,915 02	.....
Cornwall	5.20	1944–1953	51,862 79	53,808 46	1,437 95
Creemore (guaranteed by County of Simcoe)	5.375	1929–1934	2,786 59	2,842 15	51 30
Dundas	5.375	1929–1946	19,344 72	19,521 34	326 45
East York Township:	5.446	1940–1965	172,187 29	161,691 43	1,438 81
	5.448	1940–1965	72,105 65	67,715 96	306 20
Essex, Village	5.50	1929–1934	3,455 83	3,400 77	116 00
Essex Border Utilities Commis'n	5.484	1942–1956	199,989 88	200,381 46	10,065 25
Etobicoke, Township:	5.017	1946–1949	45,000 00	47,673 31	1,356 17
	4.95	1940–1957	25,277 74	25,426 13	848 35
	5.19	1941–1957	71,000 00	69,326 96	593 30
	4.95	1940–1958	28,416 47	28,859 56	968 60
Fort William:	5.75	Feb. 1, 1944	25,000 00	23,095 56	523 97
	6.40	May 1, 1950	10,000 00	9,535 55	100 27
	5.125	Apr. 1, 1955	55,000 00	54,012 45	685 62
	4.91	1946 & 1951	69,924 85	70,712 47	296 95
	4.91	July 1, 1952	34,672 60	35,105 08	.....
	4.91	July 1, 1947	42,751 00	43,215 41	.....
Fort William (guaranteeing MacKellar Hospital)	4.625	May 1, 1948	88,000 00	86,596 45	661 80
Forest Hill Village:	5.036	1943–1957	44,730 93	44,513 78	747 55
	5.15	1940–1948	112,061 49	110,471 66	460 50
Galt:	5.622	Oct. 30, 1940	42,000 00	37,930 59	321 04
	5.65	Dec. 6, 1961	19,284 69	18,402 23	70 50
	5.30	1934–1943	83,374 04	84,702 93	3,844 33
	5.20	Dec. 1, 1962	68,400 36	71,657 71	319 50
	5.20	Dec. 1, 1962	14,135 90	15,931 06	72 03
	4.95	Dec. 15, 1964	14,097 18	15,394 13	36 10
	5.05	July 2, 1965	35,254 75	37,887 43	.....
Glencoe	6.75	1929–1940	12,981 45	12,124 43	537 90
Grey, County	5.24	Aug. 1, 1945	75,000 00	72,995 93	1,571 92
Guelph:	6.	1940–1944	13,287 11	12,676 41	368 39
	5.183	June 30, 1942	75,000 00	73,678 62	.....
	5.20	June 30, 1938	20,000 00	19,714 14	.....
	4.914	June 30, 1942	50,000 00	50,419 59	.....

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Hamilton:	5.875	1935–1937	8,740 84	8,281 33	37 11
	5.375	Feb. 1, 1932, and 1939	5,536 91	5,587 10	127 65
	6.	1932–1940	93,849 28	93,849 28	941 06
	5.90	1934–1941	164,629 81	165,795 17	3,301 62
	5.45	1937–1938	40,000 00	41,615 96	604 93
	5.50	Feb. 1, 1936	7,000 00	7,212 97	176 05
	4.95	1933–1942	150,000 00	156,433 08	3,458 22
	5.749	1941–1945	44,000 00	40,747 52	554 52
	5.714	1938–1945	190,000 00	169,357 00	3,584 00
	5.554	1938–1945	77,000 00	69,444 14	1,442 96
Hastings	5.50	1931–1935	4,948 17	4,829 56	21 00
Hawkesbury:	7.25	1929–1940	69,438 91	64,918 19	3,812 50
	7.25	1929–1931	3,699 48	3,615 17	86 35
Hespeler	5.50	1931–1934	7,332 71	7,332 71	101 65
Hydro-Electric Power Comm'n (guaranteed by Province of Ontario):	4.874	Aug. 1, 1957	100,000 00	86,503 24	1,676 71
	5.091	Aug. 1, 1957	195,000 00	162,923 99	3,269 60
	4.70	June 24, 1941	40 000,00	44,874 92	4.60
Kingston:	6.10	1935–1948	4,600 00	4,562 18	46 12
	6.125	1931–1945	52,400 00	51,924 81	.....
	5.30	Jan. 1, 1942	35,000 00	35,650 15	.....
Kingsville	6.625	1930–1941	44,427 40	44,094 92	1,695 08
Kitchener:	5.25	1943–1951	47,682 18	49,073 34	222.73
	5.25	1943–1952	28,490 33	29,329 84	390 65
	5.75	1929–1946	1,010 87	991 92	11 65
	4.99	1942–1945	24,849 50	24,877 57	364 20
Leamington	5.875	1929–1932	7,179 34	7,196 35	324 50
Lincoln, County	4.95	Sept. 11, 1943	90,000 00	90,470 99	1,368 50
Lindsay	5.40	Jan. 1, 1935	14,681 07	14,755 74	.....
Listowel	5.875	1929–1947	15,971 55	15,505 69	344 15
London:	5.523	Aug. 3, 1939	24,000 00	21,017 23	397 15
	5.50	1937–1938	11,000 00	10,212 48	.....
	6.538	June 30, 1942	25,000 00	19,920 68	3 05
	6.27	1935–1939	114,425 61	112,495 82	18 75
	5.85	June 30, 1942	50,000 00	42,604 83	6 10
	5.85	Jan. 1, 1944	50,000 00	45,801 65	.....
	5.35	1940–1941	15,000 00	15,204 94	2 26
	5.35	1937–1941	75,000 00	75,912 62	11 30
	5.25	1934–1940	103,623 46	105,409 96	1,904 96
	5.23	Aug. 3, 1939	20,000 00	17,963 24	330 96
	4.955	June 30, 1945	25,000 00	25,131 81	3 42
	4.955	1938–1942	45,000 00	45,185 28	.....
	4.955	1939–1945	26,000 00	26,110 29	.....
	4.981	June 30, 1942	25,000 00	23,218 68	.....
Midland (guaranteed by County of Simcoe):	4.97	1940–1947	14,339 86	15,153 70	263 63
	4.97	1940–1944	10,720 05	11,285 40	98 52
	4.964	1940–1947	36,422 68	36,552 90	533 85
	4.971	1940–1957	47,160 21	47,524 36	1,285 60
Napanee	4.80	1941–1943	14,623 28	14,911 66	244 35
Niagara Falls:	6.60	1938–1945	50,548 31	43,702 94	1,904 19
	6.50	1934–1941	59,553 78	57,469 05	1,801 30
	5.318	1940–1953	54,098 50	55,257 39	1,744 48
	5.32	1938–1952	16,139 50	15,574 16	73 89
North Bay:	6.	1938–1942	1,788 66	1,652 22	50 70
	5.70	1937–1942	76,276 50	78,176 68	3,071 93
	4.75	1937–1947	42,775 84	43,843 95	52 75
	4.75	1937–1943	17,558 14	17,284 90	530 35

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
North Toronto (City of Toronto)	6.05	1935–1942	20,246 58	17,904 68	64 89
North York, Township:	4.97	1940–1941	8,500 00	8,905 73	372 72
	4.97	1940–1944	17,866 71	18,808 88	576 10
	4.97	1940–1943	25,811 14	27,136 64	357 80
	4.95	1943–1957	36,885 12	39,605 75	1,700 75
	4.75	1940–1948	47,687 13	49,430 99	1,998 90
	4.85	1940–1958	24,469 63	26,786 58	1,128 25
Oakville:	5.50	1929–1935	3,600 80	3,665 48	54 45
	6.625	1929–1932	5,319 49	5,245 02	34 10
Orillia (guaranteed by County of Simcoe)	4.96	1941–1954	17,156 14	17,246 64	216 20
Oshawa:	6.75	1929–1935	45,260 27	44,078 20	343 25
	6.40	1945–1951	45,133 48	43,145 62	2,270 24
	6.45	May 1, 1930	5,000 00	4,959 15	201 37
	7.	1929–1932	8,010 33	7,886 43	322 20
	5.40	1930–1936	26,207 92	26,333 07	.....
	5.375	June 1, 1938	6,068 02	5,895 12	177 88
	5.322	1939–1943	78,000 00	75,675 48	2,286 58
Ottawa:	5.522	1931–1941	39,906 66	35,317 82	.....
	5.25	1932–1945	118,766 39	121,133 25	.....
	6.12	July 1, 1939	10,800 00	9,035 81	.....
	6.10	1937–1938	66,762 58	61,727 38	.....
	5.726	July 1, 1946	100,000 00	92,057 90	.....
	4.95	July 1, 1951	15,000 00	17,123 61	.....
Oxford	6.25	1933–1936	9,963 03	9,312 51	292 05
Owen Sound:	5.20	Feb. 1, 1943	25,000 00	25,756 37	576 37
	4.95	Apr. 1, 1945	100,000 00	100,564 96	1,260 27
Parry Sound:	6.50	1931–1944	30,690 22	29,870 41	771 87
	7.125	1937–1950	50,235 30	44,897 33	1,263 44
Pembroke	5.	1946–1954	75,025 53	75,025 53	2,199 36
Perth:	5.50	1929–1934	2,299 10	2,299 17	3 80
	5.50	1929–1943	2,821 15	2,728 18	12 00
	5.50	1929–1944	356 78	344 45	1 50
	5.50	1929–1934	263 37	259 19	1 10
	5.50	1929–1933	601 53	593 29	2 55
	4.95	1940–1947	52,000 00	52,277 29	1,267 95
	4.79	1940–1948	91,000 00	93,119 67	2,667 65
Peterborough:	5.184	June 30, 1946	50,000 00	48,952 17	.....
	6.10	Dec. 31, 1946	15,000 00	13,210 97	.....
	6.205	June 30, 1950	155,000 00	151,260 46	25 48
	6.25	Dec. 31, 1940	50,000 00	50,000 00	.....
Port Arthur:	6.625	Jan. 1, 1942	11,193 32	9,627 03	.....
	6.595	June 1, 1940	100,000 00	95,252 15	509 59
	6.80	Jan. 1, 1943	17,520 00	14,701 21	.....
	6.95	Jan. 1, 1932	9,246 66	8,646 73	.....
	7.05	July 1, 1932	7,786 66	7,290 13	.....
Preston	6.50	1929–1937	14,070 56	13,534 69	676 30
Renfrew:	5.75	1929–1935	6,996 29	7,062 65	39 10
	5.85	1929–1947	8,866 86	8,965 48	394 95
	4.95	1947–1958	55,034 42	56,067 91	2,080 70
Richmond Hill	5.50	1929–1944	7,198 60	7,198 60	331 90
St. Catharines:	5.385	Dec. 29, 1945	50,000 00	47,876 33	13 70
	6.312	1929–1940	30,000 00	30,267 31	.....
	6.321	1929–1940	34,800 00	34,684 07	.....
	5.45	1934–1942	24,750 00	25,734 44	248 18
St. Mary's:	5.50	Oct. 31, 1943	4,870 30	4,634 57	.....
	5.50	Jan. 1, 1944	2,500 00	2,374 47	.....
St. Thomas:	6.38	1937–1951	129,562 40	124,666 23	3,258 56
	6.38	1938–1939	3,387 15	3,155 55	3 57
	5.40	1934–1937	70,000 00	72,431 80	483 29
	5.15	1949–1953	25,000 00	24,502 34	58 22
	5.20	1934–1949	39,000 00	38,232 88	90 82

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Sandwich:	5.625	1929–1935	4,324 63	4,382 92	237 45
	6.625	1929–1943	20,623 13	19,776 36	779 70
	6.549	1938–1940	6,774 32	6,488 70	18 92
	6.546	1931–1949	43,418 33	41,447 90	656 61
	5.484	1944–1955	78,106 11	78,261 46	2,165 56
	5.579	1944–1947	11,000 00	10,901 54	51 40
Sandwich West, Township	5.05	1938–1948	80,272 18	87,635 80	4,037 80
Sarnia:	6.50	1929–1939	7,463 77	7,103 71	.....
	6.60	1932–1935	35,000 00	33,329 99	.....
	5.217	1942–1947	62,914 68	61,416 05	792 90
Sault Ste. Marie:	5.50	Mar. 25, 1949	24,771 50	26,280 50	394 97
	6.405	Apr. 1, 1950	45,000 00	40,280 32	623 84
	6.555	Mar. 1, 1935	100,000 00	97,100 00	2,005 48
Scarborough, Township	4.70	1940–1943	25,000 00	25,736 95	54 80
Simcoe	5.50	1929–1945	11,265 43	11,587 16	29 60
Smith's Falls:	5.50	1929–1944	10,740 91	10,740 91	495 20
	5.50	1929–1946	14,945 68	15,523 24	601 90
	5.50	1929–1936	1,231 66	1,256 48	37 25
	5.775	1929–1937	3,370 77	3,325 04	124 40
	5.776	1929–1947	12,447 23	12,177 63	459 50
	5.022	1940–1945	64,306 49	64,164 89	2,158 21
	5.	1944–1946	54,000 00	54,000 00	1,812 33
Stratford:	5.50	Jan. 1, 1934	3,000 00	2,935 93	.....
	5.50	Jan. 1, 1945	25,000 00	23,691 97	.....
	5.50	Jan. 1, 1945	15,000 00	14,215 25	.....
	5.50	Jan. 1, 1945	10,000 00	9,476 80	.....
	5.625	Jan. 1, 1945	13,000 00	12,152 87	.....
	6.25	Jan. 1, 1951	40,000 00	38,808 31	.....
	5.40	Jan. 1, 1942	124,000 00	130,885 46	.....
	5.40	Jan. 1, 1942	50,000 00	50,460 24	.....
	5.401	1937–1952	83,000 00	83,606 51	.....
	4.95	June 15, 1935	143,000 00	143,416 07	3,917 81
	4.95	June 15, 1940	7,000 00	7,031 19	191 78
	4.95	June 15, 1955	30,000 00	30,223 23	821 92
	4.915	Jan. 1, 1945	2,000 00	2,018 53	.....
Sudbury:	5.75	1933–1935	25,263 80	24,458 18	.....
	7.	1930–1937	32,897 38	29,929 89	1,378 96
Thorold	5.134	Aug. 15, 1958	3,000 00	2,960 85	62 90
Tillsonburg:	5.50	Mar. 20, 1945	975 00	975 00	42 16
	5.50	1929–1944	1,079 77	1,079 77	46 60
	5.50	1929–1935	2,330 20	2,330 20	100 40
	5.50	1929–1935	1,165 08	1,165 08	50 20
Toronto:	6.027	1931 and 1938	24,000 00	22,835 53	.....
	6.	1940–1943	60,000 00	54,646 54	254 79
	5.30	July 1, 1948	4,866 66	4,103 22	.....
	5.25	July 1, 1942	10,000 00	9,760 88	.....
	6.049	1937–1939	16,000 00	15,384 84	294 14
	6.049	Apr. 1, 1938	4,000 00	3,843 79	55 45
	6.049	1937–1938	7,000 00	6,740 66	.....
	6.08	July 1, 1948	29,200 00	22,319 49	.....
	6.08	July 1, 1945	7,000 00	6,211 78	.....
	6 08	July 1, 1948	4,000 00	3,285 35	.....
	6.05	July 1, 1948	6,326 66	4,853 07	.....
	6.021	Jan. 1, 1955	19,000 00	15,227 69	.....
	6.	1931–1937	40,000 00	39,041 54	554 52
	6.434	1941–1948	269,000 00	257,212 22	4,068 27
	6.436	1940–1948	231,000 00	221,173 23	2,316 40
	6.24	1934–1939	49,000 00	48, 322 42	982 70
	6.20	1935–1940	50,000 00	49,355 99	1,002 74
	6.25	June 1, 1951	100,000 00	96,999 26	509 59
	6.40	June 1, 1948	59,000 00	56,397 08	300 66
	6.35	1943–1944	147,000 00	142,109 84	749 10
	6.35	1942–1944	53,000 00	51,303 95	270 08
	6.	1937–1940	44,000 00	42,358 69	.....

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Toronto:	6.	1936–1949	61,000 00	61,000 00	310 85
	6.	1937–1947	17,000 00	16,193 03	.....
	6.	1942–1951	52,000 00	52,000 00	786 41
	6.	1935–1940	50,000 00	48,246 24	.....
	6.	1937–1941	28,000 00	28,000 00	.....
	6.	1937–1939	9,000 00	9,000 00	45 86
	6.	1937–1939	7,000 00	7,000 00	105 86
	6.	1937–1939	10,000 00	10,000 00	.....
	6.	1937–1939	14,000 00	13,499 28	.....
	6.	1938–1939	9,000 00	8,664 09	.....
	5.40	1939–1941	150,000 00	151,279 93	2,757 55
	5.35	Mar. 1, 1951	83,000 00	90,010 36	1,664 55
	5.35	Jan. 1, 1951	15,000 00	16,236 84	.....
	5.557	Dec. 1, 1940	175,000 00	181,724 77	891 78
	5.557	Dec. 1, 1940	100,000 00	103,842 74	509 59
	5.20	1940–1942	58,000 00	56,970 77	484 66
	5.20	1940–1951	41,000 00	42,311 22	.....
	5.25	Apr. 1, 1951	50,000 00	48,358 86	630 14
	5.02	1940–1951	21,000 00	23,167 85	107 01
	5.02	Mar. 1, 1940	1,000 00	1,084 83	20 05
	4.925	July 1, 1950	20,000 00	20,197 79	.....
	4.925	Apr. 1, 1950	25,000 00	25,247 22	315 07
	5.265	July 1, 1944	35,000 00	32,181 59	.....
	5.252	July 1, 1945	96,000 00	88,089 35	.....
	4.988	July 1, 1948	58,000 00	54,505 71	.....
	4.95	June 1, 1946	7,000 00	6,634 08	25 90
	4.95	1943–1945	40,000 00	38,086 86	300 82
	4.95	1943–1948	33,000 00	31,368 60	.....
	4.95	1945–1951	106,000 00	106,641 04	.....
	5.10	1952–1956	220,000 00	201,539 29	4,150 00
	5.03	1952–1956	145,000 00	133,982 94	2,180 95
	4.98	1952–1956	38,000 00	35,357 13	431 10
	5.05	1951–1956	262,000 00	242,045 00	2,971 75
	5.11	1951–1956	85,000 00	77,639 83	639 25
	4.968	June 1, 1939	75,000 00	81,277 26	382 20
	4.90	June 1, 1945	18,000 00	20,222 89	91 75
	4.90	Mar. 1, 1949	2,000 00	2,154 00	36 75
	4.75	June 1, 1948	2,000 00	2,315 10	10 20
	4.77	July 1, 1948	3,000 00	3,465 83	.....
	4.75	1941–1951	179,000 00	206,661 50	.....
	4.75	June 1, 1951	75,000 00	87,873 00	382 20
	4.82	1942–1950	30,000 00	34,086 32	152 90
	4.82	Oct. 1, 1949	25,000 00	28,869 43	378 10
Toronto Harbour Commissioners:	5.30	Sept. 1, 1953	100,000 00	88,989 17	1,504 11
	5.318	Sept. 1, 1953	200,000 00	177,531 69	3,008 22
	5.318	Sept. 1, 1953	25,000 00	22,192 11	376 03
Toronto Junction (City of Toronto):	6.187	Jan. 2, 1943	33,000 00	27,881 45	.....
Toronto, Township:	4.95	1941–1952	18,104 29	19,329 66	627 42
Trenton	5.	1942–1943	25,000 00	26,273 40	1,103 76
Wallaceburg	5.625	1929–1930	1,620 82	1,628 84	64 50
Walkerville:	6.597	1929–1942	27,630 28	26,636 92	77 20
	6.271	1942–1948	17,531 70	16,128 43	47 54
	5.	1949–1951	99,038 43	112,082 30	276 75
	4.70	1942–1947	25,511 95	26,353 49	59 40
Welland City:	5.40	Sept. 1, 1934	25,000 00	25,124 78	459 58
	5.439	Apr. 1, 1939	42,000 00	43,860 34	635 18
Welland County:	5.38	Dec. 15, 1945	10,000 00	9,584 50	23 28
Weston:	5.50	1929–1930	1,132 63	1,138 44	57 00
	5.	1949–1952	24,949 65	28,279 25	65 60

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
West Gwillimbury Township (guaranteed by Co. of Simcoe)	5.459	1942–1956	36,107 36	36,288 54	.....
Whitby:	5.375	1929–1946	11,962 82	12,078 14	104 55
	5.375	1929–1946	3,206 37	3,241 97	29 50
	5.38	1929–1946	5,416 57	5,474 09	47 30
Windsor:	5.563	1929–1935	12,541 62	12,506 31	30 20
	6.413	1942–1950	200,257 35	191,462 15	1,020 30
	6.05	1938–1940	32,977 61	32,841 34	585 45
	6.10	Sept. 15, 1941	12,337 43	12,227 19	219 01
	6 05	June 1, 1940	13,000 00	12,946 68	66 25
	5 32	1946–1952	110,000 00	112,412 49	1,525 00
	5.101	June 1, 1951	24,000 00	26,868 91	122 30
Woodstock:	5.625	Dec. 31, 1936	7,045 32	6,545 55	.....
	5.625	Nov. 1, 1938	10,000 00	9,167 92	.....
	5.625	Nov. 30, 1937	6,000 00	5,536 78	.....
York, Township:	4.958	1941–1946	100,000 00	100,436 21	424 66
	5.572	1941–1951	102,407 13	107,052 31	2,053 75
	5.408	1949–1956	225,000 00	212,887 10	4,715 77
	4.979	1942–1946	195,000 00	195,443 67	4,087 00
	5.	1945–1955	22,000 00	22,000 00	93 45
	4.85	Feb. 1, 1952	25,000 00	25,521 54	524 00
	4.85	1941–1949	20,731 26	22,261 30	.....
	4.93	1941–1952	8,679 27	9,780 74	174 05
	4.93	1941–1952	27,659 28	31,217 35	695 65
York Township (guaranteed by County of York):	5.39	1951–1956	93,000 00	87,970 07	394 95
	4.95	1946–1957	21,000 00	21,144 20	350 95
			14,234,255 76	13,978,324 98	188,574 81

TABLE 14—Continued

Other Permanent Investments

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Canadian Northern Railway Company (guaranteed by Dominion of Canada):	4.93	July 1, 1946	30,000 00	35,481 00	.....
	4.914	July 1, 1946	100,000 00	118,476 28	.....
	4.915	July 1, 1946	10,000 00	11,846 15	.....
	4.93	July 1, 1946	18,000 00	21,283 47	.....
	4.893	July 1, 1946	10,000 00	11,874 66	.....
	4.90	July 1, 1946	50,000 00	59,329 95	.....
	4.947	July 1, 1946	37,000 00	43,673 11	.....
	5.246	July 1, 1946	65,000 00	74,250 79	.....
	5.196	July 1, 1946	469,000 00	538,725 97	.....
	4.875	July 1, 1946	100,000 00	118,988 67	.....
	5.051	July 1, 1946	200,000 00	233,409 36	.....
Dominion of Canada Guaranteed Debenture Stock of the Canadian Northern Railway Co.:	5.163	July 20, 1958	243,333 00	181,955 39	3,850 05
	4.75	July 20, 1958	16,000 00	12,818 88	253 15
Ontario, Province of:	5.178	Oct. 15, 1948	250,000 00	244,502 82	263 70
	5.88	Feb. 1, 1941	50,000 00	50,532 66	1,257 53
	5.449	Dec. 1, 1950	700,000 00	615,436 55	2,675 30
	5.458	Dec. 1, 1949	300,000 00	264,323 05	1,146 60
	5.	Sept 15, 1943	50,000 00	55,233 67	879 45
	5.371	Dec. 1, 1947	13,000 00	11,661 64	49 70
	4.875	Oct. 15, 1948	50,000 00	50,794 71	520 55
	4.875	Oct. 15, 1948	60,000 00	60,951 36	624 66
	4.871	Oct. 15, 1948	25,000 00	25,408 88	260 27
	4.875	Oct. 15, 1948	50,000 00	50,793 01	520 55
	4.86	Jan. 15, 1956	500,000 00	472,750 22	10,417 80
	4.90	Sept. 15, 1943	185,000 00	206,439 28	3,253 95
	4.80	Dec. 1, 1942	115,000 00	123,135 44	537 20
	4.85	Sept. 15, 1943	9,000 00	10,094 29	158 30
	4.85	Sept. 15, 1943	57,500 00	64,489 81	1,011 35
	4.85	Sept. 15, 1943	30,000 00	33,660 56	527 65
	4.85	Sept. 15, 1943	30,000 00	33,647 61	527 65
	4.75	Sept. 15, 1943	7,000 00	7,930 86	123 10
			3,829,833 00	3,843,900 10	28.858 51
Total Permanent Investments, Schedule 1			18,064,088 76	17,822,225 08	217,433 32

TABLE 14—Continued

SCHEDULE 2 FUNDS

Security	Yield Rate (Per Cent.)	Term	Par Value	Book Value	Accrued Interest
			$ c.	$ c.	$ c.
Barton, Township	5.354	July 14, 1952	63,000 00	64,237 96	1,604 34
Belleville:	5.669	1943–1945	3,450 26	3,214 32	.....
	5.613	1943–1950	8,000 00	7,442 35	17 55
	5.704	1940–1946	10,488 47	9,763 58	219 80
Brantford	5.42	Dec. 31, 1949	15,000 00	12,349 87	.....
Chippawa, Town, (guaranteed by County of Welland	5.525	1941–1944	22,578 30	22,521 64	520 52
Cornwall	5.535	1941–1943	10,248 45	10,211 02	284 13
Etobicoke, Township:	5.485	1941–1955	24,867 79	23,433 17	415 60
	5.07	1941–1956	32,574 89	32,315 54	1,227 13
	5.067	1942–1956	58,470 29	61,626 96	2,422 90
Galt	5.34	Dec. 15, 1965	19,460 45	18,395 64	42 65
Hamilton:	5.697	1942–1946	152,000 00	133,411 60	2,867 18
	5.54	1942–1946	134,000 00	119,615 10	512 15
	5.444	1942–1946	35,000 00	33,374 48	292 47
Hydro-Electric Power Commission (guaranteed by Province of Ontario)	5.45	June 24, 1941	15,000 00	15,738 02	17 25
Kingston	5.453	July 1, 1955	120,000 00	112,422 40	.....
Kitchener	5.475	1944–1947	10,418 06	11,035 10	104 45
London:	5.444	Dec. 30, 1954	411,000 00	385,789 21	.....
	5.439	1940–1956	280,000 00	266,986 74	76 70
	5.26	1940–1955	101,000 00	98,183 68	.....
North Bay	5.799	1940–1943	33,000 00	32,078 70	1,516 65
Ontario, Province of:	5.528	Oct. 1, 1942	31,000 00	29,424 15	390 68
	5.376	Apr. 1, 1952	19,000 00	18,055 40	239 45
	4.875	Oct. 15, 1948	50,000 00	50,794 46	520 55
Ottawa	5.574	1941–1946	36,000 00	33,982 67	.....
Owen Sound	4.95	Apr. 1, 1945	125,000 00	125,706 20	1,575 34
Peterborough	5.514	Dec. 31, 1945	20,000 00	18,878 88	.....
Renfrew	5.40	1949–1953	50,234 63	50,893 61	461 73
Stamford, Township	5.458	1941–1954	246,628 19	247,890 18	408 80
Stratford:	5.201	July 1, 1954	82,000 00	83,135 45	2,190 86
	5.611	1940–1956	122,613 19	114,816 33	3,359 25
Toronto:	6.325	June 1, 1940	4,000 00	3,899 01	20 38
	6.325	June 1, 1942	21,000 00	20,386 04	107 01
	6.254	1937–1940	130,000 00	127,680 24	662 55
	5.557	Dec. 1, 1940	100,000 00	103,842 74	509 59
	5.25	1940–1943	42,000 00	44,825 85	214 03
	5.25	1950–1951	50,000 00	48,368 97	630 14
	4.99	July 1, 1948	24,333 33	21,338 76	.....
	5.287	1948–1954	172,000 00	154,374 47	1,293 53
	5.269	1948–1954	154,000 00	138,483 23	588 57
	5.572	1947–1954	229,000 00	196,977 24	3,444 40
	5.458	Jan. 1, 1949	5,000 00	4,413 29	.....
	5.455	July 1, 1950	4,000 00	3,773 49	.....
	4.75	June 1, 1950	40,000 00	46,689 78	203 85
Toronto Harbour Commissioners:	5.70	Sept. 1, 1953	51,000 00	42,893 75	767 10
	5.30	Sept. 1, 1953	18,000 00	16,018 06	270 74
	5.30	Sept. 1, 1953	25,000 00	22,247 29	376 03
	5.268	Sept. 1, 1953	141,000 00	126,053 03	2,120 79
	5.25	Sept. 1, 1953	50,000 00	44,814 65	752 05
Waterloo, Town	5.68	1941–1947	19,195 72	18,847 65	885 07
Total Permanent Investments, Schedule 2			3,621,562 02	3,433,651 95	34,133 96

SHORT DATE DEPOSITS, SCHEDULE 1

Canada Permanent Mortgage Corporation:	
Special Deposit—5 per cent. withdrawable as required	$250,000 00
Special Deposit—5 1/8 per cent. " "	125,000 00
Huron & Erie Mortgage Corporation:	
Shore Date Debentures—5 per cent. withdrawable on short notice	300,000 00
Short Date Debentures—5 1/8 per cent. " "	125,000 00
Total Short Date Deposits, Schedule 1	$800,000 00

CHAPTER V

1927 OPERATIONS

This chapter deals with the year 1927, containing information which was not available when the report for that year was made.

It gives the final financial statement for Schedule 1 industries for the year, estimates of the adjustments of assessments and of the outstanding compensation and medical aid having to be used in the provisional statement given in Table 1 of the 1927 report; and it gives statistical information as to the accidents which happened during 1927, their causes, the nature of the injuries suffered, the number, time loss, total and average cost of the different classes of cases, and the age, wage, nationality, and marital condition of the injured workmen.

This information is contained in Tables 15 to 27.

Final Financial Statement, Schedule 1, 1927

Table 15 gives the final financial statement for Schedule 1 industries for 1927, provisional figures for which were given in Table 1 of the 1927 report. It shows the income and credits and the expenditure and charges and the balance, for each class of industry; also the actual assessments and accident cost and other items of income and expenditure for each class, and the assessments and accident cost for each group of industry within the class. The list of industries included in each class and group will be found in the Board's rate book, the list of industries in the different classes is also printed with the Act, and their general nature is indicated at the bottom of Table 1 of this report.

The net income and credits for all the classes for the year were $5,652,744.45, the net expenditure, $5,439,716.51, leaving a surplus for the year of $213,027.94. Adding the surplus forward from prior years of $441,322.10 leaves a net actual surplus of $654,350.04, as compared with a provisional or estimated surplus of $259,606.20.

Assessments and Accident Cost

The assessments and accident cost (the latter comprising compensation and medical aid and payments on account of rehabilitation, in Schedule 1 for each year since the commencement of the Act, and the totals to the end of 1927, are as follows:

Year	Assessment	Accident Cost
1915	$1,831,537 52	$1,091,020 43
1916	2,361,463 20	1,880,004 37
1917	2,662,383 29	2,639,560 56
1918	3,303,575 83	3,214,427 57
1919	3,840,949 07	4,474,847 38
1920	5,579,333 45	5,041,947 30
1921	4,594,452 37	4,277,034 67
1922	3,984,594 64	4,323,801 07
1923	3,771,321 09	4,977,331 82
1924	4,524,700 86	4,746,314 60
1925	4,390,854 75	4,438,802 13
1926	5,167,126 64	4,711,970 90
1927	5,465,763 17	5,082,073 61
Totals	$51,478,055 88	$50,899,136 41

Pay Roll and Rates of Assessment

As assessments are in the form of a percentage of pay roll, the average rate paid by employers in Schedule 1 can be determined by dividing the total assessments for the year by the total pay roll. The following table shows the total amount of pay roll and the total assessments and the average rate for $100 pay roll for each year:

Year	Total Pay Roll	Total Assessments	Average Rate per $100
1915	$147,603,000	$1,831,537 52	$1 24
1916	220,840,000	2,361,463 20	1 07
1917	286,903,000	2,662,383 29	93
1918	310,450,000	3,303,575 83	1 06
1919	325,226,000	3,840,949 07	1 18
1920	464,589,000	5,579,333 45	1 20
1921	355,259,000	4,594,452 37	1 29
1922	391,888,000	3,984,594 64	1 02
1923	434,163,000	3,771,321 09	87
1924	386,318,000	4,524,700 86	1 17
1925	390,652,000	4,390,854 75	1 04
1926	424,926,000	5,167,126 64	1 22
1927	455,016,000	5,465,763 17	1 20

Final Accident Figures, 1927

Table 16 shows the number of accidents happening in 1927 (in all industries under the Act) for which payment of compensation or medical aid was made. The total number was 59,475, of which 311 were death cases, 2,476 cases involving some degree of permanent disability, 28,836 temporary disability cases, and 27,852 cases which involved medical aid only. Schedule 2 cases involving medical aid only are not included as in these cases medical aid is furnished directly by the employer.

The complete figures for each year since the commencement of the Act are as follows:

Year	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
1915	*.....	9,311	1,339	296	10,946
1916	*.....	15,993	2,232	373	18,598
1917	†4,267	21,556	2,475	370	28,668
1918	12,822	24,089	2,624	366	39,901
1919	11,769	22,418	2,457	364	37,008
1920	15,566	27,423	2,735	373	46,097
1921	12,141	22,855	2,079	331	37,406
1922	15,913	24,461	2,082	325	42,781
1923	20,125	28,954	2,340	327	51,746
1924	20,811	25,980	2,191	315	49,297
1925	22,444	26,040	2,157	264	50,905
1926	25,330	27,150	2,421	308	55,209
1927	27,852	28,836	2,476	311	59,475
Totals	189,040	305,066	29,608	4,323	528,037

*No medical aid. †Half year only.

Accident Frequencies, Schedule 1

Comparison of accident frequencies can be made by correlating the number of accidents with the total number of full-year workers, data for this being available, however, only in Schedule 1. Eliminating accidents in which medical

aid only was paid, the number of accidents for each 100 full-year workers for the different years are:

Year	Temporary Disability	Permanent Disability	Death	Totals
1915	3.63	.58	.12	4.32
1916	4.99	.79	.10	5.88
1917	5.78	.72	.07	6.57
1918	5.81	.66	.07	6.54
1919	5.81	.68	.07	6.56
1920	6.23	.67	.07	6.97
1921	6.25	.60	.05	6.90
1922	5.82	.52	.06	6.40
1923	6.02	.51	.05	6.58
1924	6.08	.54	.06	6.68
1925	5.94	.51	.05	6.50
1926	5.84	.54	.05	6.43
1927	5.94	.53	.05	6.52

On the same basis of calculation the frequency of medical aid only cases has been: 1918, 3.66; 1919, 3.70; 1920, 4.26; 1921, 4.24; 1922, 4.67; 1923, 4.96; 1924, 5.84; 1925, 6.09; 1926, 6.37; and 1927, 6.73.

Statistical Distributions

Tables 17 to 27 give statistical details regarding accidents and workmen, including, where the data is available, Schedule 2 and Crown cases as well as Schedule 1. Considerations of space preclude more extensive tabulations, but the original material is retained and still fuller information is always available concerning the accidents in any of the different classes of industry.

Month of Occurrence

Table 17 gives the month of occurrence of all accidents. The month in which the greatest number occurred during 1927 was August, with 5,812, and the month with the lowest number was February, with 4,283.

Accidents According to Locality

The distribution of accidents according to the county or district in which they occurred is contained in Table 18. York had the highest number, with 14,695, and next in order were Temiskaming with 5,828, Wentworth with 3,612, Welland with 3,602, and Thunder Bay with 2,425. The greatest number of deaths, 46, were in York; there were 37 in Temiskaming, 27 in Thunder Bay, and 20 in each of Algoma and Welland.

Time, Loss, Age, and Wage

In Table 19 is given the average age and wage of workmen receiving compensation, and the total and average time loss for each class of industry and for each category of disability. The average age for 1927 was 35.25 years. The average weekly wage for 1927 was $23.11, as compared with $22.64 for 1926, and $22.29 for 1925. The total time loss in temporary disability cases was 607,131 days, or an average of 21.05 days, as compared with an average of 20.74 days in 1926, and 20.68 days in 1925.

Compensation and Medical Aid Costs, Schedule 1

Table 20 contains the total and average cost of compensation and medical aid by classes in Schedule 1 for each kind of disability.

The total cost of all accidents was $5,082,073.61, of which $3,982,544.92 was for compensation (including payments for rehabilitation) and $1,099,528.69 was for medical aid.

Of the $3,982,544.92 compensation cost, $1,454,596.03 was for temporary disability cases, $1,753,316.07 was for permanent disability cases, and $774,632.82 was for death cases.

The average cost of temporary disability cases was $86.13, of which $59.32 was for compensation and $26.81 was for medical aid, the average in 1926 being $77.41, and in 1925, $75.47.

The average cost of permanent disability cases was $933.69, of which $225.34 was for temporary disability, $580.04 for permanent disability, and $128.31 for medical aid.

The average cost of death cases where there were dependants was $4,567.41, and the average cost for all death cases was $3,633.36, of which $8.40 was for temporary disability, $118.85 for burial expenses, $47.10 for medical aid, and $3,459.01 for death benefits.

The average cost of all cases in which compensation was paid was $183.14, of which $147.96 was for compensation, and $35.18 for medical aid, as compared with $180.18 for 1926, and $180.60 for 1925.

The average cost of medical aid in medical aid only cases was $5.49, as compared with $5.42 in 1926, and $5.21 in 1925.

Allegiance of Injured

Table 21 shows the allegiance of injured workmen who received compensation, as taken from their own reports. There were 26,767, or nearly 85 per cent., of British allegiance, and 4,856 of alien allegiance. Among the aliens the most numerous were Italians, Russians, Finlanders, Poles and Austrians.

Sex and Marital Condition of Injured

Table 22 gives the sex and marital condition of those receiving compensation. There were 31,164 males and 459 females. Of the males, 18,711 were married, and 45 of the females. There were 520 widowers and 42 widows.

Duration of Disability

Table 23 shows the week of termination of temporary disability cases. In 47 per cent. of the cases the disability terminated in from one to two weeks. In nineteen cases the disability lasted more than a year.

Nature of Injuries

The first part of Table 24 shows the number of various kinds of temporary disability injuries in the different classes of industry, the second part gives an analysis of the permanent disability cases, showing the number of injuries to the several parts of the body and the percentages of impairment of earning capacity, and the third part of the table shows the number and nature of the industrial disease cases.

During 1927 there were 10,436 cuts, lacerations, and punctures; 7,326 bruises, contusions, and abrasions; 3,054 fractures; 2,787 sprains, strains, twistings, and wrenchings; 2,448 crushes; 1,202 scalds and burns; 845 injuries to eyes; 203 dislocations; and 162 herniae, among the temporary disabilities.

Among the 2,476 permanent disabilities were eight permanent total disability cases, and 294 cases exceeded 10 per cent. of earning capacity.

There were 140 industrial disease cases, of which 35 involved medical aid only, 77 were temporary disability cases, 25 were permanent disability cases,

and 3 were death cases. Included in these totals are 36 cases of lead poisoning, 29 cases of silicosis, 72 cases of caisson disease, and 1 case each of mercury poisoning, arsenic poisoning, and pneumoconiosis. All three deaths were from silicosis.

Causes of Accidents

Table 25 gives the prime causes of accidents in 1927. Machinery was responsible for 11,540 cases of accidents out of a total of 59,475, or 19.40 per cent. of all cases, as compared with 19.60 per cent. in 1926, and 19.39 per cent. in 1925.

Blood-Poisoning Cases

The number of compensation cases in which the seriousness of the accident was due to concurrent or subsequent infection rather than to the nature of the wound is shown in Table 26. There were 1,788 such cases, or 5.66 per cent. of all cases compensated, including 40 cases of permanent disability and 9 deaths.

Death Cases

The nature of awards, the number, relationship, and residence of the dependants, are shown in Table 27.

TABLE 15

FINAL FINANCIAL STATEMENT FOR 1927, SCHEDULE 1

BY CLASSES

Class	Income and Credits	Expenditure and Charges	Balance for 1927	Balance forward Prior Years	Balance at Dec. 31, 1927	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	655,029 15	705,528 11	—50,498 96	—275,876 24	—326,375 20	1
2	383,597 92	380,973 68	2,624 24	—550 98	2,073 26	2
3	85,525 60	95,317 96	—9,792 36	2,855 17	—6,937 19	3
4	194,573 56	196,545 70	—1,972 14	—4,425 45	—6,397 59	4
5	652,596 89	462,449 33	190,147 56	151,487 95	341,635 51	5
6	199,700 62	217,863 35	—18,162 73	74,754 91	56,592 18	6
7	122,114 30	115,417 10	6,697 20	110,443 82	117,141 02	7
8	140,406 51	146,402 24	—5,995 73	10,021 91	4,026 18	8
9	247,456 29	262,095 84	—14,639 55	56,792 37	42,152 82	9
10	282,746 89	261,780 76	20,966 13	104,155 46	125,121 59	10
11	275,824 95	282,626 62	—6,801 67	16,013 82	9,212 15	11
12	144,676 89	145,888 36	—1,211 47	71,690 22	70,478 75	12
13	84,046 91	88,911 52	—4,864 61	—31,396 65	—36,261 26	13
14	54,036 33	44,296 67	9,739 66	—6,551 09	3,188 57	14
15	225,506 04	228,435 35	—2,929 31	72,446 41	69,517 10	15
16	152,124 78	139,983 38	12,141 40	22,602 69	34,744 09	16
17	86,967 69	79,448 10	7,519 59	46,713 15	54,232 74	17
18	48,090 62	56,946 57	—8,855 95	8,098 64	—757 31	18
19	71,395 57	51,718 50	19,677 07	34,211 04	53,888 11	19
20	185,406 14	157,345 34	28,060 80	—40,835 67	—12,774 87	20
21	252,679 70	279,183 00	—26,503 30	13,370 58	—13,132 72	21
22	83,558 44	69,072 66	14,485 78	—21,538 83	—7,053 05	22
23	442,855 07	376,988 03	65,867 04	8,109 12	73,976 16	23
24	581,827 59	594,498 34	—12,670 75	18,729 75	6,059 00	24
	†5,652,744 45	*5,439,716 51	213,027 94	441,322 10	654,350 04	

†Includes $36,160.93 reimbursement from D.P. & N.H.
*Includes $4,405.03 for rehabilitation.

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 83 (4), 8, 105, 112 (3), etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1927
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 010	337,384 92	332,107 63				
" 011	198,327 44	176,618 73				
" 012	114,382 14	154,128 33				
Class 1	650,094 50	662,854 69	4,934 65	42,673 42	—275,876 24	—326,375 20
Group 020	254,129 20	246,066 63				
" 021	27,924 79	29,951 19				
" 022	92,934 41	74,686 63				
Class 2	374,988 40	350,704 45	8,609 52	30,269 23	—550 98	2,073 26
Group 030	49,654 26	53,919 74				
" 031	10,660 19	8,824 03				
" 032	14,147 36	15,302 09				
" 033	10,010 35	10,128 60				
Class 3	84,472 16	88,174 46	1,053 44	7,143 50	2,855 17	—6,937 19
Group 040	103,518 01	103,265 22				
" 041	34,816 54	31,799 11				
" 042	16,188 16	16,638 34				
" 043	10,461 82	6,999 76				
" 044	27,213 59	24,744 27				
Class 4	192,198 12	183,446 70	2,375 44	13,099 00	—4,425 45	—6,397 59
Group 050	43,859 09	29,964 94				
" 051	403,196 18	268,257 78				
" 052	88,568 94	45,322 79				
" 053	42,889 83	44,136 48				
" 054	973 76	2,773 21				
" 055	19,446 34	23,870 62				
" 056	21,506 14	17,897 10				
" 057	5,465 93	2,272 71				
Class 5	625,906 21	434,495 63	26,690 68	27,953 70	151,487 95	341,635 51
Group 060	26,383 00	30,689 69				
" 061	55,193 94	64,502 39				
" 062	13,397 35	13,008 97				
" 063	39,826 54	44,818 85				
" 064	15,671 79	9,338 58				
" 065	16,679 50	18,856 33				
" 066	24,028 97	22,168 79				
Class 6	191,181 09	203,383 60	8,519 53	14,479 75	74,754 91	56,592 18
Group 070	85,793 16	82,570 29				
" 071	27,834 05	21,394 53				
Class 7	113,627 21	103,964 82	8,487 09	11,452 28	110,443 82	117,141 02
Group 080	55,020 95	55,093 14				
" 081	27,041 81	22,388 68				
" 082	39,273 68	37,790 82				
" 083	15,007 43	20,349 57				
Class 8	136,343 87	135,622 21	4,062 64	10,780 03	10,021 91	4,026 18

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 83 (4), 8, 105, 112 (3), etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1927
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 090	36,169 35	38,765 51				
" 091	23,263 55	34,937 34				
" 092	13,269 57	21,783 51				
" 093	33,338 05	28,939 93				
" 094	113,730 14	95,959 37				
" 095	20,823 88	21,885 10				
Class 9	240,594 54	242,270 76	6,861 75	19,825 08	56,792 37	42,152 82
Group 100	38,209 61	44,468 76				
" 101	101,230 17	71,400 07				
" 102	38,316 54	39,522 61				
" 103	25,714 66	26,967 34				
" 104	15,730 23	10,817 74				
" 105	16,415 61	28,703 20				
" 106	24,382 54	11,733 98				
" 107	10,260 12	2,888 48				
Class 10	270,259 48	236,502 18	12,487 41	25,278 58	104,155 46	125,121 59
Group 110	95,487 58	80,517 41				
" 111	132,106 03	123,159 26				
" 112	22,566 20	40,860 85				
" 113	18,794 82	14,217 50				
Class 11	268,954 63	258,755 02	6,870 32	23,871 60	16,013 82	9,212 15
Group 120	31,564 91	34,777 18				
" 121	46,780 62	49,410 59				
" 122	29,252 10	30,534 33				
" 123	7,762 17	6,093 44				
" 124	15,918 79	12,734 14				
Class 12	131,278 59	133,549 68	13,398 30	12,338 68	71,690 22	70,478 75
Group 130	44,962 85	43,588 28				
" 131	23,814 08	41,712 41				
Class 13	68,776 93	85,300 69	15,269 98	3,610 83	—31,396 65	—36,261 26
Group 140	53,090 50	40,254 13				
Class 14	53,090 50	40,254 13	945 83	4,042 54	—6,551 09	3,188 57
Group 150	51,968 01	47,553 27				
" 151	44,364 93	48,304 41				
" 152	24,130 85	20,670 41				
" 153	24,025 14	29,360 04				
" 154	22,101 30	22,350 86				
" 155	40,053 27	41,269 07				
" 156	3,399 36	2,131 14				
Class 15	210,042 86	211,639 20	15,463 18	16,796 15	72,446 41	69,517 10
Group 160	35,050 29	30,643 43				
" 161	16,019 30	13,106 05				
" 162	11,134 52	11,792 67				
" 163	63,146 17	54,623 88				
" 164	20,159 07	19,858 32				
Class 16	145,509 35	130,024 35	6,615 43	9,959 03	22,602 69	34,744 09

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 83 (4), 8, 105, 112 (3), etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1927
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 170	40,772 95	39,958 71				
" 171	25,155 84	24,040 82				
" 172	14,810 57	8,899 44				
Class 17	80,739 36	72,898 97	6,228 33	6,549 13	46,713 15	54,232 74
Group 180	28,758 11	29,283 41				
" 181	17,683 38	24,051 98				
Class 18	46,441 49	53,335 39	1,649 13	3,611 18	8,098 64	—757 31
Group 190	20,191 04	15,768 67				
" 191	30,323 72	19,227 49				
" 192	7,354 46	5,496 67				
" 193	9,207 71	5,788 22				
Class 19	67,076 93	46,281 05	4,318 64	5,437 45	34,211 04	53,888 11
Group 200	112,729 89	90,838 66				
" 201	69,991 61	58,997 12				
Class 20	182,721 50	149,835 78	2,684 64	7,509 56	—40,835 67	—12,774 87
Group 210	150,522 30	135,310 18				
" 211	97,144 32	132,732 30				
Class 21	247,666 62	268,042 48	5,013 08	11,140 52	13,370 58	—13,132 72
Group 220	82,358 91	57,940 36				
Class 22	82,358 91	57,940 36	1,199 53	11,132 30	—21,538 83	—7,053 05
Group 230	50,221 82	85,830 98				
" 231	338,024 72	223,048 39				
" 232	44,813 83	50,611 18				
Class 23	433,060 37	359,490 55	9,794 70	17,497 48	8,109 12	73,976 16
Group 240	71,984 56	67,517 66				
" 241	22,939 40	28,045 06				
" 242	56,664 46	46,617 57				
" 243	11,113 16	16,570 12				
" 244	46,554 08	42,742 91				
" 245	55,853 38	41,384 09				
" 246	22,877 39	27,123 23				
" 247	14,866 64	12,361 15				
" 248	257,314 87	289,561 53				
" 249	8,211 61	1,383 14				
Class 24	568,379 55	573,306 46	13,448 04	21,191 88	18,729 75	6,059 00
Schedule 1	5,465,763 17	*5,082,073 61	†186,981 28	357,642 90	441,322 10	654,350 04

†Includes $36,160.93 reimbursement from D.P. & N.H.
*Includes $4,405.03 for rehabilitation.

TABLE 16

NUMBER OF ACCIDENTS IN 1927 INVOLVING PAYMENT

Class	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
1	809	3,107	246	43	4,205
2	1,683	1,543	125	15	3,366
3	649	523	71	1	1,244
4	910	820	131	2	1,863
5	1,890	1,956	176	30	4,052
6	588	602	62	10	1,262
7	184	378	42	3	607
8	1,258	821	51	2	2,132
9	2,646	1,303	132	6	4,087
10	3,143	1,565	170	3	4,881
11	1,988	1,253	132	3	3,376
12	711	672	47	6	1,436
13	234	270	28	6	538
14	1,134	336	24	..	1,494
15	1,602	1,163	100	9	2,874
16	796	731	77	2	1,606
17	702	647	45	..	1,394
18	394	450	18	..	862
19	437	384	42	..	863
20	384	876	58	8	1,326
21	787	1,013	86	12	1,898
22	150	150	15	3	318
23	2,494	1,336	121	28	3,979
24	2,209	2,624	178	24	5,035
Schedule 2	....	2,293	172	48	2,513
Crown Cases	70	2,020	127	47	2,264
TOTALS	27,852	28,836	2,476	311	59,475

TABLE 17

MONTH OF OCCURENCE OF ACCIDENTS, 1927

Month of Occurrence	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
January	1,846	2,264	216	21	4,347
February	1,964	2,145	160	14	4,283
March	2,255	2,236	172	20	4,683
April	2,170	2,069	194	14	4,447
May	2,431	2,267	206	36	4,940
June	2,564	2,500	218	30	5,312
July	2,626	2,498	198	23	5,345
August	2,821	2,729	234	28	5,812
September	2,614	2,598	220	27	5,459
October	2,477	2,580	251	22	5,330
November	2,210	2,577	227	40	5,054
December	1,874	2,373	180	36	4,463
TOTALS	27,852	28,836	2,476	311	59,475

TABLE 18

LOCALITY OF ACCIDENTS, 1927

County or District	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
Algoma	338	1,023	80	20	1,461
Brant	556	540	67	4	1,167
Bruce	52	133	16	1	202
Carleton	529	768	69	8	1,374
Dufferin	20	32	3	..	55
Dundas	47	92	9	2	150
Durham	209	83	5	..	297
Elgin	198	235	13	2	448
Essex	1,385	911	97	17	2,410
Frontenac	434	244	24	4	706
Glengarry	13	26	4	1	44
Grenville	163	38	2	..	203
Grey	308	242	33	1	584
Haldimand	104	156	7	4	271
Haliburton	13	61	5	1	80
Halton	143	197	18	2	360
Hastings	381	449	41	..	871
Huron	60	113	13	2	188
Kenora	116	392	21	8	537
Kent	367	241	25	1	634
Lambton	322	336	30	7	695
Lanark	104	283	17	1	405
Leeds	236	172	11	4	423
Lennox and Addington	49	48	9	..	106
Lincoln	664	548	57	3	1,272
Manitoulin	4	27	2	1	34
Middlesex	515	761	66	5	1,347
Muskoka	42	149	22	..	213
Nipissing	97	472	42	8	619
Norfolk	73	87	8	1	169
Northumberland	56	86	6	1	149
Ontario	408	508	43	2	961
Oxford	302	278	32	2	614
Parry Sound	102	367	27	2	498
Patricia	3	22	4	1	30
Peel	39	92	4	2	137
Perth	236	272	26	2	536
Peterborough	357	398	37	2	794
Prescott	73	87	8	1	169
Prince Edward	10	12	...	..	22
Rainy River	366	477	38	12	893
Renfrew	270	424	37	3	734
Russell	164	57	4	..	225
Simcoe	695	578	63	7	1,343
Stormont	235	288	13	1	537
Sudbury	208	827	78	13	1,126
Temiskaming	3,100	2,471	220	37	5,828
Thunder Bay	815	1,508	75	27	2,425
Victoria	56	132	14	..	202
Waterloo	1,079	840	90	1	2,010
Welland	2,274	1,189	119	20	3,602
Wellington	412	436	46	2	896
Wentworth	1,748	1,697	153	14	3,612
York	7,289	6,845	515	46	14,695
Not in Ontario	13	86	8	5	112
TOTALS	27,852	28,836	2,476	311	59,475

TABLE 19

TIME LOSS, AVERAGE AGE, AND AVERAGE WAGE, 1927

Class	TIME LOSS*						AGE	WAGE
	Temporary Disability		Permanent Disability		Death Cases		All Cases	All Cases
	Total Days	Average Days	Total Days	Average Days	Total Days	Average Days	Average Age (Years)	Average Weekly Wage
								$ c.
1	76,916	24.76	26,760	108.78	34	.08	33.42	17 40
2	31,397	20.35	11,706	93.65	112	7.47	33.53	23 39
3	8,745	16.72	3,326	46.85	0	0	36.49	19 60
4	15,109	18.43	8,672	66.20	0	0	36.60	19 03
5	38,408	19.64	15,626	88.78	463	15.43	33.09	29 09
6	12,565	20.87	7,017	113.18	27	2.70	36.09	22 82
7	8,628	22.83	2,952	70.29	0	0	37.06	32 93
8	16,202	19.73	4,975	97.55	0	0	36.33	23 22
9	24,135	18.52	8,585	65.04	0	0	36.66	22 31
10	25,878	16.54	9,259	54.46	0	0	30.96	20 31
11	22,219	17.73	8,496	64.36	152	50.67	34.28	25 69
12	13,857	20.63	4,076	86.72	171	28.50	36.18	23 32
13	6,725	24.91	2,579	92.11	6	1.00	37.37	24 47
14	5,360	15.95	1,555	64.83	....	....	33.87	21 50
15	21,551	18.53	8,486	84.86	5	.56	33.16	21 59
16	13,473	18.43	5,689	73.88	29	14.50	32.48	23 02
17	10,588	16.36	3,155	70.11	....	....	30.49	16 68
18	7,747	17.22	2,405	133.61	....	....	30.61	19 35
19	6,714	17.48	1,912	45.52	....	....	30.02	19 80
20	22,321	25.48	6,845	118.02	0	0	37.14	21 30
21	23,557	23.25	11,164	129.81	0	0	36.04	24 16
22	3,241	21.61	1,816	121.07	0	0	37.85	25 18
23	28,891	21.63	14,994	123.92	3	.11	34.28	25 31
24	57,676	21.98	20,868	117.24	8	.33	37.25	24 78
Schedule 2	56,508	24.64	19,845	115.38	47	.99	40.57	25 74
Crown...	48,720	24.12	16,797	132.26	164	3.49	38.68	25 70
All.....	607,131	21.05	229,560	92.71	1,221	3.93	35.25	23 11

*This does not include loss of man power by permanent impairment or death.

TABLE 20

TOTAL AND AVERAGE COMPENSATION AND MEDICAL AID COSTS, 1927, SCHEDULE 1, BY CLASSES

Compensation Costs

Class	Temporary Disability Cases		Permanent Disability Cases				Death Cases						ALL CASES	
	For Temporary Disability		For Temporary Disability		For Permanent Disability		For Temporary Disability		For Death Benefits		For Funeral Expenses			
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	192,880 81	62 08	57,964 47	235 63	143,618 88	583 82	92 72	2 16	98,740 00	2,296 28	5,036 93	117 14	498,333 81	146 75
2	115,466 28	74 84	29,276 05	234 21	71,763 00	574 10	336 76	22 45	50,858 00	3,390 53	1,870 60	124 71	269,570 69	160 17
3	24,055 47	45 99	8,328 58	117 30	32,332 00	455 38	0	0	4,032 00	4,032 00	125 00	125 00	68,873 05	115 75
4	49,609 46	60 50	18,828 79	143 73	74,369 00	567 70	0	0	5,382 00	2,691 00	250 00	125 00	148,439 25	155 76
5	123,009 78	62 89	40,900 96	263 08	82,295 00	530 81	339 31	12 57	102,622 00	3,000 81	3,285 25	121 68	352,452 30	164 94
6	37,936 38	63 02	17,869 46	288 22	79,774 00	1,286 68	0	0	36,482 00	3,648 20	1,225 00	122 50	173,286 84	257 10
7	24,661 79	65 24	9,104 70	216 78	43,262 45	1,030 06	0	0	8,936 00	2,978 67	375 00	125 00	86,339 94	204 11
8	41,636 95	50 71	15,357 41	301 12	32,534 00	637 92	0	0	12,868 00	6,434 00	250 00	125 00	102,646 36	117 42
9	63,031 68	48 37	23,111 45	175 09	87,542 00	663 20	0	0	11,522 00	1,920 33	750 00	125 00	185,957 13	129 05
10	61,501 75	39 30	22,259 65	130 94	80,582 00	474 01	0	0	14,720 00	4,906 67	375 00	125 00	179,438 40	103 24
11	57,434 32	45 84	24,713 67	187 22	110,653 20	838 28	411 33	137 11	10,331 00	3,443 67	330 00	110 00	203,873 52	146 88
12	44,493 77	66 21	11,363 99	241 79	16,368 00	348 26	389 03	64 84	31,719 00	5,286 50	730 00	121 67	105,063 79	144 99
13	18,571 28	68 78	5,954 68	212 67	9,587 00	342 39	12 50	2 08	37,147 00	6,191 17	750 00	125 00	72,022 46	236 92
14	14,641 91	43 58	3,552 72	148 03	5,307 00	221 13	.....	.....	.....	.....	.....	.....	23,501 63	65 28
15	63,157 16	54 31	19,685 72	196 86	39,503 00	395 03	109 29	12 14	39,967 00	4,440 78	1,125 00	125 00	163,547 17	128 57
16	37,540 41	51 36	13,778 52	178 94	41,002 00	532 49	101 26	50 63	10,121 00	5,060 50	243 00	121 50	102,786 19	126 90
17	24,887 02	38 47	6,481 97	144 04	21,808 00	484 62	.....	.....	.....	.....	.....	.....	53,176 99	76 88
18	17,894 37	39 77	5,037 50	279 86	14,385 00	799 17	.....	.....	.....	.....	.....	.....	37,316 87	79 74
19	18,031 46	46 96	4,833 19	115 08	9,536 00	227 05	.....	.....	.....	.....	.....	.....	32,400 65	76 06
20	49,552 89	56 57	15,744 22	271 45	21,230 00	366 04	0	0	28,695 00	3,586 89	970 00	121 25	116,192 11	123 35
21	76,443 19	75 46	29,181 63	339 32	60,813 00	707 13	0	0	50,581 00	4,215 08	1,489 32	124 11	218,508 14	196 68
22	12,652 49	84 35	5,777 76	385 19	10,002 00	666 80	0	0	18,356 00	6,118 67	375 00	125 00	47,163 25	280 67
23	94,756 85	70 93	43,172 57	356 80	65,925 00	544 83	0	0	78,321 00	2,797 18	3,187 00	113 82	285,362 42	192 17
24	190,748 56	72 69	58,291 88	327 49	108,553 00	609 85	21 52	90	95,747 00	3,989 46	2,930 00	122 08	456,291 96	161 46
ALL	1,454,596 03	59 32	490,571 54	225 34	1,262,744 53	580 04	1,813 72	8 40	747,147 00	3,459,01	25,672 10	118 85	3,982,544 92	147 96

TABLE 20—Continued

Medical Aid Costs

Class	When Medical Aid Only		In Temporary Disability Cases		In Permanent Disability Cases		In Death Cases		FOR ALL CASES	
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	6,489 10	8 02	112,593 61	36 24	44,545 67	181 08	892 50	20 76	164,520 88	39 13
2	9,158 05	5 44	52,022 77	33 72	17,970 44	143 76	1,982 50	132 17	81,133 76	24 10
3	3,718 35	5 73	11,122 90	21 27	4,442 66	62 57	17 50	17 50	19,301 41	15 52
4	5,264 25	5 78	18,443 16	22 49	11,134 04	85 00	166 00	83 00	35,007 45	18 79
5	8,738 22	4 62	52,384 93	26 78	19,816 03	112 59	1,104 15	36 81	82,043 33	20 25
6	4,009 42	6 82	13,528 89	22 47	12,173 70	196 35	384 75	38 48	30,096 76	23 85
7	1,177 50	6 40	10,654 77	28 19	5,692 61	135 30	100 00	33 33	17,624 88	29 03
8	6,154 75	4 89	17,267 39	21 03	9,370 71	183 74	183 00	91 50	32,975 85	15 47
9	12,986 35	4 98	30,936 46	23 74	12,123 32	91 84	267 50	44 58	56,313 63	13 78
10	16,190 95	5 15	29,502 45	18 85	11,348 38	66 73	22 00	7 33	57,063 78	11 71
11	10,982 81	5 52	26,685 78	21 30	17,033 66	129 04	179 25	59 75	54,881 50	16 26
12	4,391 65	6 18	16,102 15	23 93	6,701 44	142 58	1,290 65	215 11	28,485 89	19 84
13	1,396 75	5 97	8,590 76	31 82	2,942 97	105 11	347 75	57 96	13,278 23	24 68
14	6,210 75	5 48	8,659 20	25 77	1,882 55	78 45	.....	.....	16,752 50	11 21
15	9,435 95	5 89	27,609 18	23 74	10,630 25	106 30	416 65	46 29	48,092 03	16 73
16	4,028 80	5 06	17,063 02	23 34	5,591 84	72 62	554 50	277 25	27,238 16	16 96
17	3,954 65	5 63	11,736 50	18 14	4,030 83	89 57	.....	.....	19,721 98	14 15
18	2,410 50	6 12	8,809 75	19 58	4,798 27	266 57	.....	.....	16,018 52	18 58
19	2,701 00	6 18	9,043 90	23 55	2,135 50	50 85	.....	.....	13,880 40	16 08
20	2,351 15	6 12	22,266 65	25 42	8,690 87	149 84	335 00	41 89	33,643 67	25 37
21	4,995 70	6 35	28,914 14	28 54	15,265 50	177 51	359 00	29 92	49,534 34	26 09
22	1,045 40	6 97	7,027 01	46 85	2,640 70	176 05	64 00	21 33	10,777 11	33 90
23	12,617 75	5 06	40,070 23	29 99	20,919 20	172 89	520 95	18 61	74,128 13	18 63
24	12,192 33	5 52	76,384 57	29 11	27,452 00	154 22	985 60	41 04	117,014 50	23 24
ALL	152,602 13	5 49	657,420 17	26 81	279,333 14	128 31	10,173 25	47 10	1,099,528 69	20 10

TABLE 21

ALLEGIANCE OF INJURED WORKERS, 1927

Allegiance to	Temporary Disability	Permanent Disability	Death	TOTALS
Albania	2	1	....	3
Austria	425	24	8	457
Belgium	8	1	....	9
Brazil	3	....	....	3
Bulgaria	27	....	....	27
Chile	1	....	....	1
China	4	....	....	4
Czecho-Slovakia	329	25	3	357
Denmark	56	4	2	62
Finland	727	63	7	797
France	75	9	1	85
Germany	73	8	1	82
Great Britain	24,363	2,147	257	26,767
Greece	15	1	....	16
Holland	12	1	....	13
Italy	740	43	6	789
Jugo-Slavia	181	16	2	199
Lithuania	9	1	....	10
Mexico	2	....	....	2
Norway	43	2	3	48
Persia	4	....	....	4
Poland	638	41	10	689
Portugal	1	....	....	1
Roumania	76	7	1	84
Russia	614	42	7	663
Spain	6	....	....	6
Sweden	215	14	1	230
Switzerland	7	....	....	7
Turkey	29	7	....	36
United States	151	19	2	172
TOTALS	28,836	2,476	311	31,623

TABLE 22

SEX AND MARITAL CONDITION OF INJURED WORKERS, 1927

Sex and Marital Condition	Temporary Disability	Permanent Disability	Death	TOTALS
Males—				
Married	16,970	1,549	192	18,711
Single	10,738	808	82	11,628
Widowed	463	51	6	520
Not specified	259	15	31	305
Totals	28,430	2,423	311	31,164
Females—				
Married	39	6	....	45
Single	331	40	....	371
Widowed	36	6	....	42
Not specified	....	1	....	1
Totals	406	53	....	459
GRAND TOTALS	28,836	2,476	311	31,623

TABLE 23

WEEK OF TERMINATION OF TEMPORARY DISABILITIES, 1927

In	13,615	cases	the	disability	terminated	in	1 to 2 weeks after the accident.
"	5,410	"	"	"	"		2 " 3 " "
"	3,038	"	"	"	"		3 " 4 " "
"	1,925	"	"	"	"		4 " 5 " "
"	1,271	"	"	"	"		5 " 6 " "
"	872	"	"	"	"		6 " 7 " "
"	593	"	"	"	"		7 " 8 " "
"	413	"	"	"	"		8 " 9 " "
"	310	"	"	"	"		9 " 10 " "
"	253	"	"	"	"		10 " 11 " "
"	178	"	"	"	"		11 " 12 " "
"	146	"	"	"	"		12 " 13 " "
"	109	"	"	"	"		13 " 14 " "
"	93	"	"	"	"		14 " 15 " "
"	82	"	"	"	"		15 " 16 " "
"	62	"	"	"	"		16 " 17 " "
"	65	"	"	"	"		17 " 18 " "
"	49	"	"	"	"		18 " 19 " "
"	42	"	"	"	"		19 " 20 " "
"	35	"	"	"	"		20 " 21 " "
"	26	"	"	"	"		21 " 22 " "
"	29	"	"	"	"		22 " 23 " "
"	25	"	"	"	"		23 " 24 " "
"	19	"	"	"	"		24 " 25 " "
"	21	"	"	"	"		25 " 26 " "
"	24	"	"	"	"		26 " 27 " "
"	8	"	"	"	"		27 " 28 " "
"	6	"	"	"	"		28 " 29 " "
"	9	"	"	"	"		29 " 30 " "
"	6	"	"	"	"		30 " 31 " "
"	8	"	"	"	"		31 " 32 " "
"	12	"	"	"	"		32 " 33 " "
"	6	"	"	"	"		33 " 34 " "
"	8	"	"	"	"		34 " 35 " "
"	8	"	"	"	"		35 " 36 " "
"	41	"	"	"	"		36 " 52 " "
"	19	"	"	did not terminate in			52 " "

28,836 TOTAL CASES.

TABLE 24

NATURE OF INJURIES, 1927

Temporary Disability Cases

Class	Bruises, Contusions and Abrasions	Cuts, Lacerations and Punctures	Fractures	Crushes	Sprains, Strains, Twistings and Wrenchings	Scalds and Burns	Eye Injuries	Herniae	Internal Injuries	Concussions (brain, spine, etc.)	Dislocations	All Other Injuries	Industrial Diseases (Schedule 3)	TOTALS
1.....	845	1,295	322	187	275	15	63	26	5	5	28	41	....	3,107
2.....	395	553	170	150	133	56	34	9	3	6	11	22	1	1,543
3.....	72	331	32	26	35	9	12	3	....	2	....	1	....	523
4.....	155	439	68	65	52	14	20	1	....	1	4	1	....	820
5.....	533	739	183	149	179	49	78	11	....	3	15	10	7	1,956
6.....	167	195	87	65	52	13	13	3	2	1	3	1	....	602
7.....	128	85	46	28	31	42	16	2	....	....	....	....	....	378
8.....	149	240	56	95	45	188	41	1	....	1	2	....	3	821
9.....	284	446	158	177	87	56	66	8	1	4	11	5	....	1,303
10.....	195	807	99	162	92	99	71	7	....	3	4	7	19	1,565
11.....	299	484	118	102	100	66	61	8	....	2	11	2	....	1,253
12.....	156	174	101	64	86	52	20	3	....	2	8	5	1	672
13.....	76	88	27	24	35	2	7	6	1	1	3	....	....	270
14.....	65	190	21	11	28	13	4	2	....	1	1	....	....	336
15.....	273	456	113	77	126	86	11	5	5	3	8	....	....	1,163
16.....	166	277	72	74	72	30	29	3	1	1	2	2	2	731
17.....	114	342	51	56	46	17	12	3	1	....	3	2	....	647
18.....	81	238	33	26	27	35	4	2	1	....	2	1	....	450
19.....	77	170	26	58	21	22	6	1	....	....	1	....	2	384
20.....	299	219	128	71	117	8	7	5	....	7	10	5	....	876
21.....	296	288	130	85	99	31	33	8	....	3	7	9	24	1,013
22.....	31	61	18	8	11	10	4	1	1	2	....	3	....	150
23.....	460	374	157	118	138	24	33	3	....	6	6	6	11	1,336
24.....	675	969	290	180	264	88	89	13	5	13	25	11	2	2,624
Schedule 2.....	714	504	292	184	365	101	52	12	3	10	19	32	5	2,293
Crown..	621	472	256	206	271	76	59	16	2	7	19	15	....	2,020
ALL....	7,326	10,436	3,054	2,448	2,787	1,202	845	162	31	84	203	181	77	28,836

TABLE 24—Continued

Permanent Disability Cases

Part of Body Affected	Per Cent. Impairment of Total Earning Capacity											
	0.0– 9.9	10.0–19.9	20.0–29.9	30.0–39.9	40.0–49.9	50.0–59.9	60.0–69.9	70.0–79.9	80.0–89.9	90.0–99.9	100.	TOTALS
Foot	190	3	1	1	1	....	....	....	....	....	....	196
Leg	183	7	5	3	7	6	2	1	1	....	1	216
Head	28	....	....	....	....	1	....	....	....	....	3	32
Face	14	....	....	....	....	....	....	....	....	....	....	14
Eye	81	103	....	1	....	....	....	....	....	....	1	186
Ear	16	....	....	....	....	....	....	....	....	....	....	16
Teeth	201	....	....	....	....	....	....	....	....	....	....	201
Arm	140	1	3	6	3	10	4	4	....	....	....	171
Hand	106	14	22	36	2	....	....	....	1	....	....	181
Thumb and three fingers	1	....	....	....	....	....	....	....	....	....	....	1
Thumb and two fingers	....	1	1	....	....	....	....	....	....	....	....	2
Thumb and one finger	12	1	....	....	....	....	....	....	....	....	....	13
Thumb	195	5	....	....	....	....	....	....	....	....	....	200
One finger	723	....	....	....	....	....	....	....	....	....	....	723
Two fingers	151	....	....	....	....	....	....	....	....	....	....	151
Three fingers	50	2	....	....	....	....	....	....	....	....	....	52
Four fingers	10	8	7	1	....	....	....	....	....	....	....	26
Internal organs	5	1	....	....	....	....	....	....	....	....	....	6
Industrial diseases	22	....	....	....	....	....	....	....	....	....	3	25
All other	54	....	4	....	....	4	1	1	....	....	....	64
TOTALS	2,182	146	43	48	13	21	7	6	2	....	8	2,476

Industrial Diseases

Description of Disease	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
Lead poisoning or its sequelae	2	33	1	..	36
Mercury poisoning or its sequelae	..	1	..	..	1
Arsenic poisoning or its sequelae	..	1	..	..	1
Silicosis	2	2	22	3	29
Pneumoconiosis	..	..	1	..	1
Compressed air illness or caisson disease	31	40	1	..	72
TOTALS	35	77	25	3	140

TABLE 25

CAUSES OF ACCIDENTS, 1927

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	TOTALS
A. Prime Movers:					
1. Motors, engines, fans, pumps, and automatic stokers	120	97	20	1	238
2. Shafting, coupling, collars, set-screws, and keys	18	33	4	3	58
3. Belts, lines, pulleys, chains, and sprockets	188	225	28	3	444
4. Gears, cogs, cams, and friction wheels	77	73	34	1	185
Totals	403	428	86	8	925
B. Working Machines:					
1. Brick-making machines	1	6	4	....	11
2. Glass-making machines	3	4	....	....	7
3. Pottery-making machines	....	1	....	....	1
4. Stone-working machines	....	3	3	....	6
5. Mining machines, n.e.s.	21	20	3	....	44
6. Mine drills	160	118	12	1	291
7. Contracting machines	70	137	24	3	234
8. Metal-working machines	116	105	28	1	250
9. Abrasive wheels	2,076	261	34	2	2,373
10. Drilling and reaming machines	265	107	12	1	385
11. Lathes	346	122	20	....	488
12. Milling machines	44	41	5	....	90
13. Pneumatic tools	390	119	17	....	526
14. Presses—cutting, shaping, forming	238	321	132	....	691
15. Shearing and punching machines	39	62	10	....	111
16. Wire-working machines	17	29	4	1	51
17. Welding and heat-cutting machines	126	16	2	....	144
18. Wood-working machines, n.e.s.	82	120	25	....	227
19. Planers, jointers, and edgers	125	133	52	1	311
20. Saws	444	609	175	4	1,232
21. Shapers, molders and headers	114	94	28	....	236
22. Pulp and paper-making machines, n.e.s.	29	18	4	....	51
23. Barkers	25	15	1	....	41
24. In-running rolls	47	102	13	1	163
25. Paper products and printing machines, n.e.s.	9	8	5	....	22
26. Cutting machines	24	24	7	....	55
27. Presses—printing and embossing	71	81	16	....	168
28. Stayers	25	36	13	....	74
29. Tanning machines	3	14	1	....	18
30. Leather-working machines	27	32	15	....	74
31. Rubber-working machines	28	36	12	....	76
32. Textile machines, n.e.s.	20	35	10	....	65
33. Carders	4	13	4	....	21
34. Pickers	8	14	6	....	28
35. Sewers	111	124	2	....	237
36. Finishers and launderers	5	24	3	....	32
37. Knitters	32	52	2	....	86
38. Cutters	10	29	....	....	39
39. Weavers	32	62	5	....	99
40. Spinners	2	14	1	....	17
41. Food-products, laboratory, and tobacco machines, n.e.s.	43	88	30	....	161
42. Baking machines	9	13	7	....	29
43. Bottling machines	31	40	3	....	74
44. Office machines	1	5	....	....	6
TOTALS	5,273	3,307	750	15	9,345

TABLE 25—Continued

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	TOTALS
C. Hoisting Apparatus:					
1. Elevators	29	85	10	1	125
2. Cranes	73	120	31	8	232
3. Conveyors	71	131	18	1	221
4. Mine cages	15	32	3	3	53
5. Other hoisting apparatus	165	396	68	10	639
Totals	353	764	130	23	1,270
D. Dangerous Substances:					
1. Steam escapes	71	85	2	1	159
2. Explosives	49	121	25	6	201
3. Electric currents	69	71	11	17	168
4. Conflagrations	....	....	....	2	2
5. Hot and inflammable substances and flames	684	875	25	3	1,587
6. Corrosive substances	174	111	6	....	291
7. Poisonous and deleterious substances	46	106	25	4	181
Totals	1,093	1,369	94	33	2,589
E. Stepping on or Striking Against Objects:					
1. Stepping on objects	752	576	3	....	1,331
2. Striking against objects	4,608	2,067	73	2	6,750
Totals	5,360	2,643	76	2	8,081
F. Falling Objects:					
1. From collapse of structures	5	34	6	1	46
2. From elevations	479	496	30	5	1,010
3. In mines and quarries	289	628	37	10	964
4. Other	33	343	34	17	427
Totals	806	1,501	107	33	2,447
G. Handling Objects:					
1. Heavy objects—loading, carrying, rolling, or piling	4,772	6,899	316	10	11,997
2. Sharp objects	402	326	15	....	743
3. Hand trucks, carts, and wheel-barrows	304	560	15	2	881
Totals	5,478	7,785	346	12	13,621
H. Tools	2,330	2,865	188	4	5,387
I. Runaways and Animals:					
1. Runaways	77	50	7	1	135
2. Animals	3	267	11	2	283
Totals	80	317	18	3	418

TABLE 25—Continued

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	TOTALS
J. Moving Trains, Vehicles, etc.:					
1. Train wrecks	6	92	6	21	125
2. Caught in switch or hit fixed objects	4	42	9	5	60
3. Struck by or caught between cars and engines	18	140	20	30	208
4. Other causes, cars, and engines	1	31	9	2	43
5. Mine and quarry cars	53	149	17	1	220
6. Automobiles and other power vehicles	183	479	52	13	727
7. Animal-drawn vehicles	33	191	13	3	240
8. All other vehicles	14	31	3	....	48
Totals	312	1,155	129	75	1,671
K. Falls of Persons:					
1. From elevations	125	626	80	24	855
2. From ladders	117	378	33	3	531
3. Into excavations, pits, and shafts	27	168	8	5	208
4. On level	1,174	2,871	85	2	4,132
5. Into elevator shaft	3	8	2	1	14
6. From vehicles	84	669	41	5	799
7. From collapse of support	52	364	55	9	480
8. On steps or stairways	67	229	10	....	306
9. Into tanks or vats	....	2	....	....	2
10. From tool slipping	15	61	2	1	79
Totals	1,664	5,376	316	50	7,406
L. All Other Causes:					
1. Flying fragments	4,388	808	182	1	5,379
2. Doors, gates, windows, and covers	216	306	19	1	542
3. Inhalation of gases, fumes, etc	45	18	2	4	69
4. Immersion in water and drenchings	1	4	.....	40	45
5. Exposure to elements	26	95	22	....	143
6. Violence	4	10	2	....	16
7. Cave-ins	11	81	9	7	108
8. Not elsewhere specified	9	4	....	....	13
Totals	4,700	1,326	236	53	6,315
GRAND TOTALS	27,852	28,836	2,476	311	59,475

TABLE 26

BLOOD-POISONING CASES, 1927

Ascribed to time of injury	192
Developed 1 day after injury	349
" 2 days " "	282
" 3 " " "	226
" 4 " " "	197
" 5 " " "	120
" 6 " " "	71
" 7 " " "	67
" 8 " " "	55
" 9 " " "	29
" 10 " " "	27
" 11 " " "	22
" 12 " " "	15
" 13 " " "	16
" 14 " " "	11
" 15 " " "	8
" 16 " " "	9
" 17 " " "	3
" 18 " " "	3
" 19 " " "	3
" 20 " " "	6
" 21 " " "	6
" 22 " " "	6
" 23 " " "	1
" 25 " " "	2
" 26 " " "	2
" 28 " " "	1
" 29 " " "	2
" 31 " " "	1
" 32 " " "	1
" 33 " " "	1
" 43 " " "	1
" 45 " " "	1
" 75 " " "	1
" 84 " " "	1
" 111 " " "	1
Immobilized joints due to infections	24
Amputations due to infections	13
Permanent eye injuries due to infections	2
Disfigurement due to infections	1
Deaths due to infections	9
TOTAL CASES OF INFECTIONS	1,788

TABLE 27

DEATH CASES, 1927

Number of Cases

Pension Awards	163
Lump Sums	82
Burial Expenses and Medical Aid only	48
Burial Expenses only	18
TOTAL	311

Number, Relationship and Residence of Dependants

Relationship of Dependants	Resident in Ontario	Not Resident in Ontario	TOTALS
Widow	150	29	179
Child	291	37	328
Mother	36	16	52
Father	30	18	48
Other	1	1	2
TOTALS	508	101	609

APPENDIX

SUMMARY OF COMPENSATION AND MEDICAL AID AWARDED

From Commencement of Act to End of 1928

Compensation Awarded

Schedule 1 Industries	$46,365,176 83
Schedule 2 (including Crown Cases)	15,485,841 49
Total Compensation	$61,851,018 32

Medical Aid Paid

Schedule 1 Industries	$8,617,030 83
Schedule 2 (including Crown Cases) Furnished by Employer	
Total Benefits Awarded by Board	$70,468,049 15

SUMMARY OF ACCIDENTS REPORTED

From Commencement of Act to End of 1928

Schedule 1 Industries	607,536
Schedule 2 (including Crown Cases)	111,771
Total Number of Accidents Reported	719,307

FINANCIAL STATEMENT FOR SCHEDULE 1 INDUSTRIES

From Commencement of Act to End of 1928

Income and Credits			Expenditure and Charges	
Net assessments received		$56,820,695 57	Compensation paid other than pensions, compensation deferred, and under Secs. 22 and 36	$24,406,065 39
Received under Section 8		63,264 14	Pensions awarded	21,168,720 42
Received under Section 83(4)		1,706 16	Deferred Compensation awarded	586,034 04
Received under Section 105		104,775 35	Paid under Section 22	996 40
Received under Section 112(3)		3,539 79	Paid under former Section 36	41 75
Received from D.P. & N.H.		125,548 26	Paid under Section 8	5,065 06
Interest received		1,616,688 61	Medical Aid paid	8,609,398 35
Credited from Disaster Reserve		187,195 45	Administration Expenses paid	1,941,747 52
Credited from Pension Fund		1,027,214 62	Paid to Safety Associations	945,628 57
Assessments estimated to be due on adjustment of 1928 payrolls	$1,506,703 16		Rehabilitation paid	12,248 64
Less: Merit rating Refunds to be made	85,597 27		Transferred to Diaster Reserve	339,289 14
		1,421,105 89	Compensation estimated outstanding	2,312,461 25
			Medical Aid estimated outstanding	501,952 51
			Balance at Credit of Classes	542,084 80
		$61,371,733 84		$61,371,733 84

SUMMARY OF PENSION FUND, SCHEDULE 1

From Commencement of Act to End of 1928

Pension awards	$21,128,524 97
Amount transferred from Disaster Reserve	40,195 45
Amount transferred from Silicosis Account	43,048 00
Interest added	5,443,199 42
	$26,654,967 84
Pension payments	9,656,900 91
	$16,998,066 93
Amount transferred to Current Fund	1,027,214 62
Balance December 31, 1928	$15,970,852 31

SUMMARY OF COMPENSATION DEFERRED, SCHEDULE 1

From Commencement of Act to End of 1928

Compensation deferred	$586,034 04
Interest added	73,288 74
	$659,322 78
Amounts paid on Compensation Deferred, Principal and Interest	555,398 01
Balance December 31, 1928	$103,924 77

SUMMARY OF DISASTER RESERVE, SCHEDULE 1

From Commencement of Act to End of 1928

Amount set aside	$339,289 14
Interest added	117,169 94
	$456,459 08
Transferred to classes	187,195 45
Balance December 31, 1928	$269,263 63

SUMMARY OF SILICOSIS ACCOUNT, SCHEDULE 1

From Commencement of Act to End of 1928

Assessments collected		$442,912 57
Interest added		18,258 00
		$461,170 57
Payments made:		
For Compensation	$190,753 14	
For Medical Aid	7,632 48	
For Salaries and Expenses	655 20	
For Salaries and Expenses of Referee Board	5,215 98	
		204,256 80
Balance December 31, 1928		$256,913 77

SUMMARY OF INVESTMENTS, SCHEDULE 1

From Commencement of Act to End of 1928

Invested	$28,765,755 18
Less principal returned	10,143,530 10
Book Value of Investments, December 31, 1928, Principal	$18,622,225 08
Plus accrued interest not received or apportioned	217,433 32
Total Book Value of Investments, December 31, 1928	$18,839,658 40

SUMMARY OF SCHEDULE 2 FUNDS

From Commencement of Act to End of 1928

Received from employers		$10,542,059 63
Interest received		1,699,087 59
		$12,241,147 22
Payments made	$8,271,372 68	
Deposits returned to employers	459,764 01	
		8,731,136 69
Cash in Bank and Invested, December 31, 1928		$3,510,010 53

SUMMARY OF INVESTMENTS, SCHEDULE 2

From Commencement of Act to End of 1928

Invested	$3,808,385 91
Less principal returned	374,733 96
Book Value of Investments, December 31, 1928, Principal	3,433,651 95
Plus accrued interest not received or apportioned	34,133 96
Total Book Value of Investments, December 31, 1928	$3,467,785 91

SUMMARY OF RECEIPTS AND PAYMENTS

From Commencement of Act to End of 1928

Schedule 1

Receipts		Payments	
Assessments, including additional assessments, added percentage, and interest for under or over estimate	$57,280,473 98	Compensation payments other than on pensions or deferred awards or under Secs. 22 or 36	$24,406,065 39
Less Merit Rating (Charges..$1,067,186 40 Refunds... 1,526,964 81)	—459,778 41	Paid on Pensions	9,656,900 91
	$56,820,695 57	Paid on Deferred awards, principal and interest	555,398 01
Under Section 8	63,264 14	Under Section 22	996 40
Under Section 83 (4)	1,706 16	Under former Section 36	41 75
Under Section 105	104,775 35	Under Section 8	5,065 06
Under Section 112 (3)	3,539 79	For Medical Aid	8,609,398 35
From D.P. & N.H.	125,548 26	For Rehabilitation	12,248 64
From Silicosis	442,912 57	For Administration Expenses	2,987,334 64
From Province of Ontario under Section 77, grants for administration expenses	655,500 00	For Safety Associations	945,628 57
From Schedule 2 and Crown employers for share of administration expenses	345,611 37	For Investments	28,765,755 18
Interest from investments and bank deposits	7,268,604 71	For Silicosis	161,208 80
Principal returns from investments	10,143,530 10	Overpayment of Administration Expenses from Schedule 2 employers (refunded in 1926)	12
From Dominion Bank (overdraft, Dec. 31, 1928)	135,834 86	Cash in Bank, Dec. 31, 1928	5,481 06
	$76,111,522 88		$76,111,522 88

Schedule 2

Receipts		Payments	
From Employers for Deposits under Section 28 and for Claimants' Moneys	$5,043,401 90	To Claimants out of Deposits under Section 28 and Claimants' Moneys	$2,842,359 72
From Employers for Deposits under Section 32	5,498,657 73	Returned to Employers out of Deposits under Section 28	430,796 05
Interest from Investments and Bank Deposits	1,699,087 59	Paid out of Deposits under Section 32:	
Principal returned from Investments	374,733 96	To Claimants	5,427,265 15
		Returned to Employers	23,198 46
		To Schedule 1 for Administration Expenses	5,769 50
		Rehabilitation Paid	1,747 81
		For Investments	3,808,385 91
		Cash in Bank, Dec. 31, 1928	76,358 58
	$12,615,881 18		$12,615,881 18

AUDITORS' CERTIFICATE

The Workmen's Compensation Board of Ontario,
Metropolitan Building, Toronto, Ontario.

Gentlemen:

We have completed a continuous audit of the books of the Board for the year ended December 31, 1928, and have obtained all the information and explanations that we have required.

In our opinion, the statements of receipts and disbursements, Table 6, Schedules 1 and 2, do fully and fairly set forth the cash transactions of the Board for the calendar year 1928.

Bank balances on hand at the close of the period have been verified by communication with the Board's bankers.

The investments of the Board as shown by the books as at December 31, 1928, have also been verified by us and the debentures on hand confirmed by actual count.

Respectfully submitted,

(Sgd.) FRED PAGE HIGGINS & CO.
Chartered Accountants.

Toronto, March 21, 1929.

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1928

Schedule 1

Receipts			Payments		
Cash in Banks, Jan. 1, 1928:			Overdraft—Dominion Bank, Jan. 1, 1928		$42,097 76
Can. Bank of Commerce	$568 31		Compensation Paid other than Pensions and Compensation Deferred		2,659,118 41
Royal Bank	2,026 92		Pensions Paid		1,429,861 11
		$2,595 23	Deferred Compensation Paid		38,488 90
Net Assessments, Penalties, etc., collected:			Rehabilitation Paid		4,438 13
Gross Assessments	$6,426,053 79		Medical Aid Paid		1,161,696 49
Merit Rating Charges	364 72		Silicosis Paid		36,400 21
Under Sec. 8	10,483 75		Paid under Sec. 8		2,449 96
Under Sec. 105	9,705 23		Administration Expenses		317,247 35
Under Sec. 112 (3)	404 73		Paid to Safety Associations		115,620 55
From D.P. & N.H.	12,620 64		Invested	$2,618,760 74	
	$6,459,632 86		Increase in value of investments by accumulation of discounts	23,168 53	
Less: Assessments and Penalties refunded	56,916 49				2,641,929 27
Merit Rating Refunds	301,614 90		Cash in Banks, Dec. 31, 1928:		
	358,531 39		Can. Bank of Commerce	$3,315 25	
		6,101,101 47	Royal Bank	2,165 81	
Interest		936,781 76			5,481 06
From Schedule 2 employers and Dominion Crown for administration expenses account of prior years paid out of Schedule 1 in 1927		44,123 45			
Principal returned from investments	954,259 38				
Decrease in value of investments by amortization of premiums	40,883 25				
		995,142 63			
Silicosis		239,249 80			
From Dominion Bank—overdraft, Dec. 31, 1928		135,834 86			
		$8,454,829 20			$8,454,829 20

Schedule 2

Receipts			Payments		
Cash in Imperial Bank, Jan. 1, 1928		$9,808 53	To Claimants out of Deposits under Sec. 28		$313,846 33
From Employers for Deposits under Sec. 28		251,453 81	Deposits returned to Employers under Sec. 28		96,789 72
From Employers for Claimants' Moneys		2,945 00	To Claimants out of Claimants' Moneys:		
From Employers for Deposits under Sec. 32		751,583 65	Principal	$6,923 00	
Interest		195,626 44	Interest	94 50	
Principal returned from investments	$81,956 18				7,017 50
Decrease in value of investments by amortization of premiums	919 17		Paid out of Deposits under Sec. 32:		
		82,875 35	For Compensation	$719,585 74	
			For Medical Aid	24,737 41	
					744,323 15
			Deposits returned to Employers under Sec. 32		2,946 27
			Rehabilitation Paid		411 21
			Invested	$46,911 51	
			Increase in value of investments by accumulation of discounts	5,688 51	
					52,600 02
			Cash in Imperial Bank, Dec. 31, 1928		76,358 58
		$1,294,292 78			$1,294,292 78

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Ontario Department of Agriculture

REPORT

OF THE

Ontario Veterinary College

1928

Sessional Paper No. 29, 1929

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Report of the
Ontario Veterinary College

To the Honourable John S. Martin,
Minister of Agriculture.

Sir,—

I have the honour to present herewith the following report of the Ontario Veterinary College for the year extending from November 1st, 1927, to October 31st, 1928.

Student Enrolment

A slight increase in the attendance is being steadily maintained. For the session ending April 30th, 1928, a total of 76 students were in attendance of which 22 were in the first-year class, 16 in the second-year class, 18 in the third-year class, and 20 in the senior class. Of the senior class, 18 candidates were successful in passing the final examinations and received the degree of Bachelor of Veterinary Science (B.V.Sc.) conferred by the University of Toronto at a special convocation held on April 30th, 1928.

During the present session, which commenced on October 1st, 1928, a total of 80 students are registered of which 24 are in the first-year class, 19 in the second-year class, 18 in the third-year class, and 19 in the senior class. It is again pleasing to state that recent graduates have all been successful in passing the civil service examinations in both Canada and the United States for appointment as veterinary inspectors. It is likewise gratifying to mention that we are not aware of any recent graduate in good standing being unable to secure a professional position or a suitable location for private practice. This again indicates that the opportunities for qualified graduates are steadily improving and if the present demand continues there will soon be a shortage of candidates available for the profession.

The Teaching Staff

Owing to the removal of Dr. J. G. Harvey, he tendered his resignation as Lecturer in Canine and Feline Diseases, arrangements were made whereby Dr. F. J. Cote was appointed to the position. Arrangements were also made whereby Dr. J. S. Glover was appointed as Serologist. The personnel of the staff and their respective departments are as follows:

C. D. McGilvray, M.D.V., D.V.Sc., Principal: Contagious Diseases, Sanitary Service.
J. N. Pringle, M.R.C.V.S., B.V.Sc.; Sporadic Diseases, Dentistry.
R. A. McIntosh, M.D.V.: Diseases of Cattle, Obstetrics, Pharmacy, Therapeutics.
W. J. R. Fowler, V.S., B.V.Sc.: Surgery, Lameness, Materia Medica.
H. D. Nelson, B.V.Sc., D.V.Sc.: Anatomy.
R. Gwatkin, B.V.Sc., D.V.Sc.: Bacteriology, Milk Hygiene, Poultry Diseases.
H. E. Batt, V.S., B.V.Sc.: Zoology, Histology, Meat Hygiene.
F. W. Schofield, B.V.Sc., D.V.Sc.: Pathology, Parasitology.
L. Stevenson, B.V.Sc., M.S.: Physiology.
J. S. Glover, V.S., B.V.Sc.: Serologist.
F. J. Cote, V.S., B.V.Sc.: Canine and Feline Diseases.
Angus Dunbar: Jurisprudence.

The Course of Study and Instruction

A consistent effort is being made to maintain a good standard of qualification and to further correlate class and laboratory instruction in keeping with the best educational practices. In general, the subjects taught are becoming more diversified and additional time is being devoted to pure science as well as clinical instruction and routine laboratory exercises. Owing to the increased tendency towards research and investigational work, additional encouragement is afforded undergraduates to develop a talent and inclination in this direction. A detailed outline of the course of study and instruction is contained in the College calendar which is distributed to those interested.

Research and Investigational Work

The demand and need for research and investigational work is becoming more noticeable each year by the increased enquiries received for assistance in respect to disease problems. As a result the College, although essentially an educational institution concerned primarily with the training of students, has as far as possible to undertake needed researches. Hence in addition to their educational duties certain members of the College staff have to perform much routine laboratory work and as much research and investigational work as time, opportunity and facilities will permit. Under such conditions and limited scope one cannot at all times do justice to the problems awaiting solution. I am of the opinion that the livestock industry would favourably support increased facilities for research and investigational work in animal diseases throughout the Province. What is actually required is the gradual development of an Animal Diseases Research Department with a staff of trained field and laboratory workers and suitable facilities for the proper accommodation of experimental and control animals. The members of the College staff at the present time are carrying on a work that is highly important but circumscribed as they are they can only accomplish relative results. Unfortunately it is not sufficiently realized in many cases when demands are made for investigations into animal diseases that researches properly conducted and carried to completion involve a greater amount of time, more special detail and greater facilities than a small teaching staff has at its disposal. The progress made and results of some of the researches conducted are embodied in the report under their respective departments.

Extension Service

As part of the College activities there has been gradually developed an extension service to meet the existing needs. It is remarkable to what extent this service is now being availed of by veterinarians and livestock owners. The appointment of Dr. Lionel Stevenson as Provincial Zoologist has already been productive of a great deal of useful and valuable assistance in controlling parasitic infestations, particularly among sheep and swine. He has already made a survey of affected flocks in different parts of the Province to determine the nature and extent of the different parasitisms existing, so as to form the basis for definite preventive control work. He has also published exceedingly useful bulletins relating to Parasites of Sheep and Parasites of Swine. The existence of pullorum infection causing white diarrhoea in chickens has caused a great increase in the

requests for the testing of poultry flocks by means of the agglutination test. This routine work has also been augmented by the establishment of poultry breeding stations under departmental auspices. It is estimated that approximately sixty thousand agglutination tests will require to be made this season. To handle these additional tests the appointment of Dr. J. S. Glover was arranged for as Serologist in the Department of Bacteriology under the direction of Dr. Gwatkin. The preparation and distribution of abortion vaccine has been continued to a limited extent. The vaccine is only distributed to qualified registered veterinarians as we do not consider it desirable to allow an indiscriminate use of the live culture. In this connection it is surprising that in spite of no publicity being given to this service and no effort being made by us to encourage the use of abortion vaccine or bacterin, the demand for these products has steadily continued. Seemingly those using abortion vaccines are favourably impressed with the results obtained in abortion affected herds. At the same time we still deem it wise to proceed cautiously and to safeguard the distribution of live culture vaccine. Those applying for vaccine are definitely instructed that its use is only indicated in badly affected herds and are informed plainly as to the indications and precautions to be observed. This information is contained in a special bulletin relating to infectious abortion and each time a request for vaccine is received a circular letter is sent containing the following salient points:

1. Abortion vaccine is only furnished to veterinarians, and those receiving the vaccine must assume responsibility for its proper use and administration.
2. Owing to the fact that the abortion bacillus (*Brucella abortus*) is infective to man (causing Undulant Fever), those procuring the Live Culture Vaccine must exercise due caution.
3. Where contagious abortion exists in a herd the milk from affected cows should be pasteurized.
4. The Live Culture Vaccine should never be used unless the abortion bacillus has been definitely established as being the cause of the abortion in the herd.
5. Neither the vaccine nor the bacterin is a specific cure for abortion disease and their use is only indicated in affected herds combined with sound measures of sanitation, segregation and sexual hygiene.
6. While the use of the vaccine may reduce the abortion rate it might be better in many cases to encourage owners to have their breeding cattle tested and to eliminate the reactors from their herds.
7. It is infinitely better to control the disease if possible than to attempt a cure with vaccines or other supposed remedies.

Throughout the year we have received every day numerous diseased specimens for laboratory examination. The material received related to all classes of livestock and pet animals including horses, cattle, sheep, goats, swine, poultry, pigeons, rabbits, dogs and cats. As an indication of the effort that is being made to render the best possible service the number of specimens received and the nature of the diseases are recorded under their respective departmental headings. Several special articles relating to interesting subjects and researches are included as part of the general report.

All of which is respectfully submitted.

C. D. McGILVRAY,
Principal.

GUELPH, ONTARIO,
October 31st, 1928.

CLINICAL DEPARTMENT

The work of this department embraces the applied branches of veterinary medicine and surgery. All animals brought to the clinics are carefully examined after which treatment is prescribed and operations performed as may be required. The cases are carefully selected and made use of to impart instruction to the students by means of lectures and special demonstrations. A list of the clinical cases relating to the different classes of animals are recorded under their respective headings, and a number of interesting conditions are embodied as special articles in the report.

HORSE CLINICS

Number of Animals	Nature of Case	Remarks
18	Fistulous Withers	Surgical treatment.
1	Bilateral Luxation of the Patella	Congenital.
5	Castration	Surgical operation.
2	Curb	Counter irritation.
4	Sesamoiditis	" "
2	Granulomata	Surgical treatment.
6	Poll-evil	" "
3	Sweeny	Counter irritation.
31	Dental Case	Dental treatment.
2	Quittor	Surgical "
1	Ataxia	Medicinal "
3	Chronic Indigestion	" "
1	Tetanus	" "
4	Leucorrhea and Endometritis	Uterine irrigation.
3	Influenza	Medicinal treatment.
3	Tarsitis	Counter irritation.
7	Sidebones	" "
3	Wounds and Injuries	Medicinal treatment.
10	Periodic Ophthalmia	" "
3	Colon Impaction	" "
1	Indigestion	" "
2	Pneumonia	" "
3	Lymphangitis	" "
8	Navicular Disease	Counter irritation and neurectomies.
5	Spavin	" " " tenectomy.
3	Ringbone	" "
4	Pus in the Facial Sinus (Split Molar)	Trephination and propulsion.
1	Ventral Tumour	Surgical operation.
6	Shoulder Tumour	" treatment.
1	Rupture of the Prepubian Tendon	
3	Coronitis	Counter irritation.
1	Injury to the Nostril	Surgical "
1	Alopecia	Medicinal "
9	Laryngeal Hemiplegia (Roarer)	Surgical "
6	Verrucose Dermatitis (Grease)	" "
2	Thorough-pin	" "
3	Cold Abscess	" "
1	Flatulent Colic	Medicinal "
1	Serous Sac (Sternum)	Surgical "
2	Pulmonary Emphysema (Heaves)	
3	Bog Spavin	Counter irritation.
3	Leg Mange (Chorioptic)	Parasiticides.
1	Malignant Tumour of the Penis	Surgical Amputation.
4	Pustular Dermatitis (Neck)	Medicinal applications.
3	Dental Extractions	Dental treatment.
2	Capped Hock	Counter irritation.
1	Volar Flexion	Surgical treatment.
3	Malignant Tumour of the Eye	
1	Fistula of the Hip	Surgical treatment.

HORSE CLINICS—*Continued*

Number of Animals	Nature of Case	Remarks
4	Thrush	Medicinal treatment
6	Infected Umbilicus	" "
1	Nail Prick and Infection	" "
1	Foal Septicemia	" "
2	Navel Ill	" "
3	Retained Placenta	Manual removal.
1	Mesenteric Abscess	
1	Malignant Tumour (Facial Sinus)	
1	Tarsal Abscess	Surgical treatment.
2	Catarrhal Rhinitis	Medicinal "
1	Paraphimosis	
1	Laryngeal Stenosis	
1	Shoe Boil	Surgical ablation.
3	Peditis	Counter irritation.
	Demonstrations of Restraint	Work done by students.
	" Surgical Landmarks	" " "
	Use of Local Anaesthetic	" " "
	Passing Stomach Tube	" " "
	Inguinal Exploration	" " "
	Tenotomies	" " "
	Post-mortem Demonstrations	" " "

CATTLE CLINICS

60	Sterility	Manual treatment.
2	Traumatic Pericarditis	
6	Abortion	Kept under observation.
1	Artificial Abortion	" " "
3	Teat Obstruction	Surgical treatment.
5	Mammitis	Medicinal "
26	Hemorrhagic Septicemia	Preventive and curative.
7	Supernumerary Teats	Surgical removal.
6	Pharyngeal Abscess (Actinomycotic)	" treatment.
8	Actinomycosis	
1	Costal Abscess	Surgical treatment.
7	Retained Placenta	Manual and antiseptic treatment.
6	Nutritional Deficiency	Advised regulation of diet.
30	Tuberculin Test	25 Negative, 5 postive.
2	Pharyngeal Actinomycotic Tumour	
2	Warts	Surgical removal.
1	Hemorrhage	Saline infusion.
3	Endometritis	Uterine irrigation.
2	Tarsal Abscess	Surgical treatment.
6	Pyometra	Uterine irrigation.
1	Impotency	Medicinal treatment.
3	Chronic Metritis	Uterine irrigation.
2	Tumour of the Eye	Surgical removal.
1	Tarsitis	Counter irritation.
2	Pulmonary Congestion	Medicinal treatment.
12	Heatstroke	
2	Hygroma	Surgical treatment.
5	Foul in the Foot	" and antiseptic treatment.
1	Infected Foot (Nail Prick)	" removal.
1	Abscess (Hind Leg)	" treatment.
3	Pneumonia	Medicinal "
10	White Scours	" "
2	Keratitis and Conjunctivitis	" "
1	Lacerated Vagina	Vaginal douches.
1	Supramammary Abscess (T.B. Lesion)	Surgical treatment.
1	Ezcema of Udder	Medicinal "

CATTLE CLINICS—*Continued*

Number of Animals	Nature of Case	Remarks
2	Empyema	Post-mortem examination.
5	Hemorrhagic Septicemia	" "
1	Malformed Fetus	" "
2	Pneumonia	" "
12	Diagnosis of Pregnancy	
50	Blackleg	Preventive inoculation.
	Demonstrations of Restraint	Work done by students.
	" Sterility Manipulations	" " "
	" Gravid Uteri	" " "
	" Examination for Pregnancy	" " "
	" Intradermal Inoculation	" " "
	" Bleeding for Agglutination Test	" " "
	" Epidural Anaesthesia	" " "

SHEEP CLINICS

3	Wounds by dogs	Antiseptic treatment.
10	Parasitism	Anthelmintic "
125	"	Preventive "
1	Tumour of the Withers	Surgical "
1	Tympanites	Medicinal "
3	Foul in the Foot	Surgical and antiseptic treatment.
5	Tick and Louse Infestation	Dipping.
9	Lung Worm Infestation	Post-mortem examination.
6	Stomach Worm "	" "
14	General Parasitism	" "
3	Hemorrhagic Septicemia	" "
1	Indigestion due to Wool Balls	" "
5	Fatty Degeneration of Liver	" "
1	Injury to the Trachea	" "

SWINE CLINICS

1	Umbilical Hernia	Surgical operation.
6	Cryptorchidism	" "
1	Hermaphrodism	" "
5	Scrotal Hernia	" "
2	Prolapse of Rectum	" "
25	Castration	" "
1	Serous Sac in the Hip	" "
10	Nutritional Deficiency	Regulation of diet and care.
25	(Litters) Enteritis	Preventive inoculation.
100	Parasitism	" dosing.
2	Parasitism (Lung and Intestinal)	Post-mortem examination.
3	Enteritis	" "
1	Pleuro pneumonia	" "
2	Hemorrhagic Septicemia	" "
1	Hermaphrodism	" "

SMALL ANIMAL CLINICS—DOGS

Number of Animals	Nature of Case	Remarks
5	Tapeworm Infestation	Medicinal treatment.
2	Pharyngeal Abscess	Surgical "
54	Oophorectomy	" operation.
4	Constipation	Medicinal treatment.
2	Pruritis	" "
3	Dystokia	
1	Fractured Metacarpus	Surgical treatment.
1	Poisoning by Rat Poison	Medicinal "
2	Fistula of Sinus	Surgical and dental treatment.
4	Gastritis	Medicinal treatment.
1	Nephritis	" "
6	Running Fits	" "
1	Umbilical Cyst	Surgical "
5	Follicular Mange	Medicinal applications
2	Corneal Opacity	" "
1	Tumour of the Toe	Surgical treatment.
4	Distemper	Medicinal "
5	Castration	Surgical operation.
3	Eczema	Medicinal treatment.
1	Abscess of Anal Pouch	Surgical "
2	Dew Claws	" removal.
2	Dermatitis	Medicinal treatment.
1	Diseased Eye	Enucleation of eyeball.
2	Gastro Intestinal Catarrh	Medicinal treatment.
3	Canker of the Ear	" "
1	Broken Toenail	Surgical "
4	Chorea	
1	Prolapsus Vagina	Surgical treatment.
3	Dental Tartar	" removal.
1	Goitre	Medicinal treatment.
1	Inguinal Hernia	Surgical "
1	Wounds	Antiseptic "
2	Ranula	Surgical "
2	Entropion	" operation.
2	Internal Hemorrhage	
3	Stomatitis	Medicinal treatment.
5	Malnutrition	" " (diet).
3	Lameness	" "
6	Phthiriasis	Parasiticides.
2	New Growth	Surgical removal.
	Demonstration of the different breeds of dogs	
	" handling for examination	
6	Aged Dogs	Post-mortem examination.

CATS

1	Diarrhea	Medicinal treatment.
4	Sarcoptic Mange	" applications.
1	Poisoning	" treatment.
7	Castrations	Surgical operation.
5	Oophorectomy	" "
1	Chronic Bronchitis	Medicinal treatment.
3	Intestinal Catarrh	" "
2	Fistulous Lesions	Surgical "
7	Otodectic Mange	Medicinal applications.
1	Convulsions	" treatment.
1	Diseased Molar	Dental "
1	Fractured Metacarpus	
2	Fractured Mandible	
1	Dystokia	
	Gastro-enteritis	Post-mortem examination.
	Foxes and Rabbits	
1	Amputation of the Leg	Surgical operation.
1	Hook and Round Parasitism	Post-mortem examination.
1	Angora Rabbit—Ear Mange Psoroptes	Medicinal application.
1	Black Rabbit—Dislocated Hip Joint	Animal humanely destroyed.

CATTLE DISEASES

R. A. McIntosh, M.D.V.

Hemorrhagic Septicemia

During the winter of 1927 and 1928 this disease was quite prevalent in many parts of the Province. A considerable number of outbreaks were reported and frequent inquiries regarding the disease were received. Quite often tissue specimens were submitted for examination. Many livestock men make a practice of buying a number of young feeder cattle in the fall and early winter season. These animals are usually purchased at large shipping centres where public stockyards are maintained. Cattle which have been subject to such an experience are prone to develop the disease and are in many instances the carriers and spreaders of an infection which may result in a serious outbreak involving other cattle in the herd with which they come in contact. Apparently the pathogenicity of the bipolar organism (Pasteurella bovisepticus) responsible for this disease varies considerably and certain influences, such as the season and the conditions under which the animals are kept, have an important bearing on the virulency of it.

The disease manifests itself in different forms. The most severe form is the acute septicemic case in which the animal dies in a relatively short time. In this form hemorrhagic infiltrations occur in the subcutis and in other tissues of the body. Patechial hemorrhages on serous surfaces and in the lymph glands are characteristic of the disease.

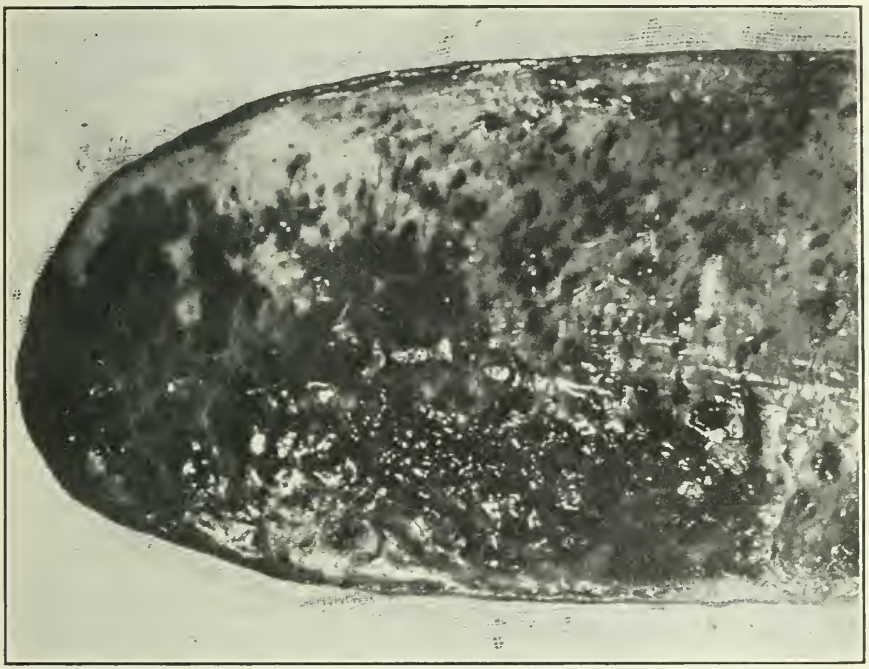
In some outbreaks the intestinal form is seen in which the affected animals ultimately manifest a diarrhea, discharging blood-stained feces. If the lesions remain confined to the digestive tract this is probably the mildest type, but on occasions it gradually merges into the pectoral form which, in the majority of cases, is the most common seat of the disease. When the respiratory tract is affected a hacking cough is a prominent symptom, laboured breathing, and a very severe broncho-pneumonia occurs, the severity of the case depending largely on the extent of the pneumonic condition.

The following reports of two outbreaks of hemorrhagic septicemia, one in the vicinity of Guelph and the other in the Georgetown district, serve to illustrate the character of the disease.

Clinic Case No. 79

The owner of this herd had bought a number of young feeder cattle from Toronto stock yards which had recently been shipped from the Canadian West. Shortly after getting them home one developed respiratory disease and a bloody diarrhea. Others of the farmer's own herd contracted the condition, three of which had died. The barn in which the cattle were housed was in rather a poor state of repair and was quite draughty and cold. At the time of this visit a number of the cattle were sick. With two exceptions the affected animals were relatively young. They were manifesting the disease in all stages and in the digestive and pectoral form. Those cases in the early stages gave high temperature readings, 106°-107° Fahreinheit, loss of appetite, lachrymation and nasal discharge, rapid and shallow respirations. Others manifested blood-stained fecal discharges, others cough, pneumonia and laboured breathing.

One three-year-old heifer had died and when post-mortemed marked pneumonic lesions were found with patechial hemorrhages on the pleura and myocardium. The associated lymph glands were also quite hemorrhagic. Tissue specimens were taken from the lesions for bacteriological examination from which almost pure culture Pasteurella boviseptica were obtained.



Portion of spleen showing patechial hemorrhages in a case of hemorrhagic septicemia.

In this outbreak, while the feeder cattle were responsible for the occurrence of it, none of them died. The losses were in the home-bred animals.

Clinic Case No. 111

In this instance ten head of cattle had been purchased from a drover who had them shipped in. Shortly after obtaining these animals one of them took sick and died. Subsequently a number of this lot and other calves of his own breeding contracted the disease and four of these had died. From the owner's explanation of some of the cases which had died it was evident that the septicemic form of the disease had existed. Eight or nine young animals showing signs of the disease were examined and in all severe cases high temperature readings were found. Coughing, laboured breathing and other pneumonic symptoms were also manifest. In these cases there was no evidence of blood-stained feces or diarrhea. A clinical diagnosis of hemorrhagic septicemia was made.

In making a clinical diagnosis of outbreaks of this disease the most significant features are a history of shipped cattle, high temperature, lachrymation, blood-stained feces, a hacking cough, and the fact that young cattle are most commonly affected. Exposure to the infection may lead to an outbreak of the condition in as short a time as two or three days.

Control measures consist of the immediate isolation of all affected animals and the inoculation of the remaining healthy members of the herd with a suitable preparation. In this respect the administration of anti-sera would immediately protect healthy animals and they might subsequently be vaccinated with an active immunizing agent. In so far as sick animals are concerned they should be placed under favourable surroundings, such as warm, comfortable, well-lighted and well-ventilated quarters and in some instances the administration of the anti-sera has a beneficial influence in lessening the severity of the disease. Live-stock men contemplating the purchase of feeder cattle or breeding animals which are to be shipped or otherwise exposed would insure the safety of such animals by having them inoculated prior to the exposing influences, or at least as early afterwards as possible. As a further measure of protection, transported animals should be kept separate from the home-bred animals for a period of time until the danger of an outbreak is past. On places where the disease has been prevalent routine vaccination of susceptible animals should be carried out. For protective inoculation a number of biological preparations are made. The bacterin, the aggressin and the anti-sera. The two former are active immunizing agents either of which are most commonly used for vaccination purposes. The anti-sera has curative properties, will give immediate protection, but only conveys a passive immunity which may not be lasting.

Blackleg

Clinic Case No. 440

In the summer of 1927 an outbreak of this disease occurred in a herd of Hereford cattle. These cattle were grazing in a pasture of rough, rolling land which gradually sloped off into a low, marshy area at its western extremity. The water from the marshland drained into a small creek which ran through another large pasture in which another large herd of beef-type cattle were grazing. The two pastures cornered each other. The calves of the Hereford herd were allowed to nurse their mothers and they were all in splendid condition. Their ages would range from one to six months. It was the largest and oldest of these calves which contracted the disease. Eight or nine of them died and on the morning of this visit five carcasses were lying in different places about the

Calf dead with blackleg, note the hind leg swollen and sticking out straight from the body.

pasture. In each cadaver the typical crepitant emphysematous swellings in the large groups of muscles were quite evident.

The herd was removed from this pasture at once and all the animals of a susceptible age were vaccinated. No further fatalities occurred. The same measures were adopted in respect to the herd which were in the contiguous pasture and no losses whatever occurred in it. In all, 115 head were vaccinated. This serves to illustrate the efficiency of protective inoculation with the various immunizing agents which may be used. While the principle of immunization against this disease remains the same, nevertheless there has been much improvement in the preparation of the agents used and the methods of applying them. Vaccination at first consisted of the administration of attenuated virus in the form of thread inserted in the skin with a needle. Later on in pellet and liquid form. This was followed by the use of culture filtrates and germ-free filtrates. Latterly the aggressin has become popular in America. Anti-sera are also prepared for use in conferring a passive immunity for immediate protection. In this instance the aggressin was used as an immunizing agent.

Blackleg aggressin is obtained from the fluid extracted from the affected muscles of calves which have been artificially infected with blackleg and die from the disease. The so-called aggressin is formed in the affected tissue during the course of the disease and is present in fluid extracted, after which the fluid is freed of the blackleg bacilli by filtration. The theory of an aggressin is that it is something which is elaborated in the tissues by the presence of an infective agent which enables the infection to produce disease by inhibiting phagocytosis and rendering inactive other natural protective powers. In other words the pathogenicity of the infection is dependent on the elaboration of an aggressin. The use of an aggressin as an immunizing agent is based on the fact that the administration of it stimulates the production of substances in the body which prevent the formation of aggressin on the occasion of an infection and without which the infective bacteria cannot produce disease.

Tuberculosis of the Udder

Tuberculosis of the udder, as in other parts of the body, usually develops in an insidious way and does not interfere with the general health of the animal nor the appearance of the milk for a considerable length of time. Tuberculosis of the udder as a rule begins with rather diffuse painless induration of one or both posterior quarters without local hyperthermia. The process occasionally spreads to the adjacent quarters and gradually develops into an exceedingly hard and nodular tumour which may become quite large and cause an atrophy of the remaining parts of the gland. In other instances, especially after the udder has been milked dry, several nodules may be found in various parts of the gland. In all cases as the disease proceeds the tendency is toward the formation of hard nodules with atrophy of parenchyma of the gland. These tumorous nodules or groups of nodules are firm, painless and do not manifest increased temperature.

On the superior aspect of the udder, either on the affected side or both sides, the enlarged lymphatic glands may be located by palpation. In early cases and in exceptional cases the glands alone may be enlarged and the udder itself present a normal appearance. The following report is an example of this condition:

Clinic Case No. 520

The subject of this clinic was a pure bred Jersey cow five years old, thrifty in her general appearance, about seven months pregnant and still milking a little.

In referring to the history of the case the owner stated that she had milked well until recently when he started to dry her off preparatory to her next parturition. About six or seven months previous to this examination he had noticed a slight enlargement superior to the base of the right hind quarter. It did not appear to be painful, neither did it interfere with the milk secretion in any perceptible manner. The enlargement continued to increase in size very gradually until now it stood out quite prominently. Fearing that the condition might become acute when the udder resumed its functional activity at the next calving, she was brought in to determine the nature of the trouble and to apply such treatment as might be deemed advisable. The animal had been tested for tuberculosis about a year previous and passed the test without reaction.

When examined the enlargement was about the size and shape of a cocoanut and protruded quite prominently above the base of the right hind quarter. It felt somewhat nodular when palpated deeply but on the surface fluctuated a little. The quarter felt slightly indurated but no nodules could be palpated and the remaining quarters of the gland were apparently normal. The lesion seemed to be separate from the gland proper and appeared to connect with the right mammary lymphatic. After cleaning up the site and locally anaesthetizing it an exploratory puncture of the lesion was made with a small trocar and a thin serous fluid containing shreds of yellowish material flowed from it. It was then decided to lance the lesion and accordingly it was freely incised. The contents which escaped at first were relatively thin but finally it became thick, creamy, and of a distinctly yellowish colour. On curetting the walls of the abscess cavity, thick cheesy-like material was found. It was subjected to a thorough irrigation and packed with iodized gauze.

Samples of the exudate from the lesions were taken for bacteriological examination and culture. The report from the bacteriological department was that the pus was sterile, no growth having developed and also that no acidfast bacteria were found in stained smears of the pus. This finding in so far as the exudate from a tuberculous lesion is concerned is not unusual. As a further means of determining the nature of this lesion a tissue specimen from its walls was taken and sectioned. Microscopic examination of a stained section revealed the tissue changes typical of tuberculous lesions. Numerous giant cells could be seen together with the other peculiarities of tissue reactions to tubercular infections.

As the owner was desirous of knowing definitely as to whether the animal was tubercular or not she was submitted to the combination test (intradermal and ophthalmic). To both of these tests she gave very marked positive reactions. Even with the instillation of the sensitizing disc in the eye a positive reaction occurred.

It will be noted that there are some significant features in this case: the insidious chronic character of the lesion; the distinctly yellowish cheesey nature of the heavier parts of the abscess content; the painlessness of the lesion with little or no interference of the general health of the animal.

Diagnosis of Pregnancy in Cows

This accomplishment in the early stages of pregnancy has become an important item in the duties of a practising veterinarian. By being able to perform this service for livestock men he can assure purchasers of cattle guaranteed to be breeders as to whether they are in calf or not. He can, after treating cows for sterility, advise the owner as to whether the animal has conceived or

not and if not successful in treatment recommend the slaughter of the patient rather than have the owner go to the expense of keeping and feeding such an animal until the normal conclusion of that pregnancy period. Occasionally cows do not come in season after being bred even though they may not have conceived and here again by an examination for pregnancy the condition can be definitely determined. Some livestock men demand this service so as to prevent delay in the treatment of breeding diseases and also to determine as to whether the reproductive usefulness of the herd is being maintained.

In making a diagnosis of pregnancy in the early stages of the gestation period there are a number of features that enable the examiner to definitely determine it. One of the most important is the cessation of estrum. This is particularly true in cows which had previously been regular in their estral cycle. It is not infallible, however, for occasionally cows will fail to come in season at the regular time and in such cases it could not be depended upon. Another is the presence of the uterine seal in the cervical canal. The cervix is supplied with certain mucous glands which with the advent of pregnancy secrete a specific form of mucous somewhat opaque and very adhesive in quality that effectually seals the cervical canal during the pregnancy period. By a vaginal examination the presence of the seal in the cervix can be determined and is very reliable evidence of conception having occurred. Further information may be obtained by a rectal examination for the purpose of palpating the uterus, the uterine arteries and the ovaries. As soon as the embryo becomes implanted in the uterus changes in the character, position and relation of the organ commence to take place. Instead of feeling an organ that is consistent and firm in outline its walls commence to enlarge, become thin and fluctuate under palpation due to the presence of the fetal fluids. In cattle one of the cornua assumes a larger size than the other, depending on which one the fetus is being developed in. If sufficient development has occurred the fetal body may be palpated. The position of the organ and its relation to other organs also changes. In the nongravid state it occupies a position chiefly in the pelvis and is closely related to pelvic structures. With the advent of pregnancy, however, it must of necessity with the increase in size push itself out into the abdominal cavity, becoming related to the abdominal viscera. The uterus and its fetal content are of greater specific gravity than any other of the abdominal content and as the pregnancy period advances there is a tendency for the gravid uterus to gravitate until ultimately the fetal extremity will rest upon the abdominal floor. In cattle, because of the fact that the rumen (a great food reservoir) occupies the entire left side of the abdominal cavity, the gravid uterus is always forced toward the right side of the abdomen. During pregnancy there is a marked increase in the vascularity of the uterus and as a result the great middle uterine artery which supplies the bulk of the blood for the organ greatly increases in its size and capacity. By rectal manipulation this artery can be readily palpated just anterior to the pelvic inlet laterally where the vessel lies in the folds of the broad ligament. From a relatively small artery this vessel becomes under the influence of pregnancy a large live vessel with a full resilient pulse. The ovaries may be manipulated through the rectum and if the animal to be examined is pregnant a well-defined corpus luteum may be recognized in the structure of an ovary. It is usually found on the ovary corresponding to the uterine cornua which has assumed the greatest volume and in which the fetus is developing.

The following interesting report of a sixteen-month-old heifer having conceived about six months previously is an illustration of the usefulness of pregnancy examination.

Clinic Case No. 469

This heifer with a number of other cattle had been turned out to pasturage in the month of June. There were no male animals present in the pasture. Little attention was given to the herd except to look them over occasionally during the season. About the 1st of September the owner noticed the udder of this subject enlarged and apparently somewhat swollen. She was caught and taken to the farm buildings to be given attention. Palliative measures applied to the udder were without any good effect. The owner then decided to bring her to the College to be examined. When examined only one quarter of the udder felt at all abnormal and it only slightly so. The enlargement of the gland appeared to be physiological, such as occurs during pregnancy. In addition the contour of the heifer's abdomen was suggestive of pregnancy and accordingly the owner was questioned as to the possibility of such having occurred. He had no knowledge of any service and did not know when it could have occurred. A rectal examination was made and quite a large fetus could be palpated, and a diagnosis of pregnancy was made of about five or six months' duration. This would indicate that the heifer had conceived at about ten months of age.

Sterility

Clinic Case No. 4

The cow referred to in this case was a ten-year-old dual purpose Shorthorn of fancy breeding. She was dark red in colour and of outstanding merit in conformation and breed characteristics. She had successfully competed in many of the leading exhibitions and at the Canadian National Exhibition, 1928, was the Grand Champion cow of the dual purpose Shorthorns.

She was brought to the College for examination and treatment November 1st, 1927. On enquiring into the history of the case it was learned that she had given birth to her last calf on September 5th, 1925. Previous to that date she had a good breeding record and had produced six calves. Following the birth of her last calf, however, she had never appeared in season and consequently she could not be bred.

A clinical examination was made and it was found that the uterus was somewhat enlarged, the cervix indurated and too open. The vaginal discharges contained flakes of purulent material. On the right ovary a corpus and a cyst were found, the left one being small and apparently inactive. Sterility was due to ovarian disease and uterine inertia. Treatment consisted of uterine massage. ovarian manipulation and vaginal douches. These and other measures as thought required were applied about every four or five days. As treatment progressed noticeable changes were manifested in the tonicity and activity of the genital organs. On December 9th a normal estrum occurred and she was bred. In the course of a few days she was shipped home, and at the end of a twenty-one-day period she again came in season, on which occasion she was bred to the herd sire and conceived.

Heat Stroke in Cattle

Clinic Case No. 394

It is only on rare occasions that cases of this condition in cattle are reported or that death occurs as a result of it. In the following report the animals experienced circumstances which led up to the occurrence of the disease bringing out the manifestations of it in a very marked manner.

In this instance about fifteen head of young cattle were affected. They had been stabled during the winter and early spring and given but little or no exercise. They were in good flesh, some of them being fit for slaughter. Early in May it was decided to move them to another farm where they could be allowed on pasture. Unfortunately the day chosen to drive them from the one farm place to the other (a distance of about 5 miles) was excessively hot. The animals not being accustomed to exercise started off at a lively rate, care being taken only to keep them headed in the right direction. After a time they slowed down in their pace somewhat but they were kept on the move, and at about the third mile commenced to show signs of being affected by the heat. At the fourth mile much distress was evident. They were panting, bellowing, and had frothy saliva hanging from the mouth. Some of them appeared almost frenzied, others were staggering with exhaustion. A white one fell to the ground and died in a short time. Another white one went down and could not be gotten onto his feet again. Soon a number of the others went down and the whole herd was a sorry sight

Animal prostrated with heatstroke.

to behold. The most seriously affected ones were breathing very fast, their tongues were hanging out, the mucous membranes were bluish in colour. Three or four of them had partly prolapsed rectums which were bleeding. Uneasiness and distress were quite marked. If a seriously affected one was forced to rise or move he would stagger, tremble and fall. The temperatures of several were taken, the lowest recorded being 107° Fah., another 109°, and a third one more than a degree above the end of the thermometric scale, 110°. With the exception of those which were greatly exhausted, the animals apparently preferred the standing position. At the time of this examination the majority of them were resting, and a cool breeze sprang up which seemed to greatly alleviate their sufferings. The two white ones died, and another animal was bled to salvage the carcass and the rest recovered.

In this instance there are a number of features which have a bearing on the occurrence of it. The fact that the animals had been stabled, stall fed and not

allowed to exercise over a lengthy period of time, that they were driven too far and too fast and subjected to the exposure to the direct rays of the sun on an exceptionally warm day when not accustomed to it. The nature and character of some of the symptoms observed are worthy of note for they are not found in current literature on the subject. The partial prolapse of the rectum and hemorrhage from it; the fact that the white animals were the first to succumb is also significant, the unpigmented skin affording less protection against the direct rays of the sun may be a possible explanation; the extremely high temperature recorded in the one case.

Nutritional Diseases

Many inquiries are received regarding depravity of appetite in cattle, particularly milk cows. It would appear that deficiency diseases are prevalent and wide-spread in this Province even in districts where the soil and food crops are not lacking in mineral elements. This may possibly be explained in the fact that cows are more closely housed and heavily fed on artificial meals for extreme milk production purposes. If no attempt is made to correct these conditions in animals when manifested quite often they develop symptoms of a much more serious character, such as lameness, emaciation and cachexia. Since these disturbances are always associated with a disturbance in metabolism it is possible that they have a bearing on the reproductive functions of the body, for it has been observed that cows so affected are at times difficult to get in calf and also that they are more subject to breeding diseases.

Three cases of this nature are included in an investigational visit to a farm in the vicinity of Guelph where manifestations of the condition had occurred in the last two or three years.

Case No. 1

Waterloo Princess, a pure bred Shorthorn cow of good type and conformation and when purchased in splendid condition. She was purchased in the fall of 1924 and during the winter remained in good flesh until turned out to pasture in the spring of 1925. Before turning her out, however, it was noticed that she was somewhat stiff and sore in the hind quarters and that she manifested depravity of appetite by licking at the manger and stall partitions. She was only on the grass a short time when she became quite thin and run down in flesh and very lame, so much so that she would not move around and would remain in the recumbent position for long periods of time. During the summer she was fed mostly on green forage and some grain and by fall was improved somewhat. When stabled for winter she regained in her flesh to a considerable extent but again in the spring of 1926 she had a relapse of her experience in 1925, becoming thin, run down and lame. During the winter of 1927-28 she did not gain up in flesh as well but recovered from the stiffness and lameness and in the spring of 1928 was turned out in pasture of virgin soil on which natural grasses grew. In this pasture she improved considerably. The lameness disappeared entirely, she gained in flesh and looked thrifty, although deformity of a drooping sacrum and tailhead remained. At the present time she is looking good, full of life and her appetite is normal.

Case No. 2

Puslinch Wimple, a pure bred Shorthorn cow of fancy breeding.—She was purchased at a dispersal sale in the fall of 1925 and later on shown at the Royal

Exhibition where she stood second to the Grand Champion. She was just three years old at that time and was in splendid condition. When stabled during the following winter she remained in good flesh until on towards spring when she manifested some evidence of depraved appetite and later on when turned out to grass she went lame, particularly in front, and lost flesh rapidly. The appetite remained good but because of inability to move she could not forage. She, like the preceding case, improved somewhat on towards fall and was put on rape pasture. When stabled for winter she fed well and put on flesh. Towards spring depravity of appetite appeared and when turned out to grass got stiff and became thin again. The following winter she improved a little although she did not gain as well as in former winters. In the spring she was turned out in pasture with Case No. 1 and she improved greatly on the wild grasses in this pasture.

Case No. 3

Another pure bred Shorthorn white in colour and three years old.—During the winter of 1927 at about the conclusion of her pregnancy period she developed depraved appetite, manifested by licking at the mangers and stall partitions and when outside she would chew at rotten wood and other foreign material. She also got quite stiff and lame and by spring time was in a thin, run-down condition. Some deformity in the pelvic structures could be seen.

Case No. 3.—Affected with osteomalacia showing emaciation, drooping pelvis and a stiff stilty attitude.

At the time of this visit she was the worst case. The owner stated that others of the herd, while not so stiff and sore, would chew at rotten wood and bones. As the two former cases were apparently improving on the wild native pasturage, it was suggested that they be left there till fall, but as soon as they were brought in to be stable fed he was advised to provide bonemeal in the grain ration at the rate of about 3 pounds to the 100 pounds of grain, and also to provide iodized salt. That he should make it a routine measure during his winter feeding operations for all of his cattle. In reference to the white heifer, Case No. 3, she was immediately put on bonemeal and yeast cake as adjunct to the feed being provided for her. Potassium iodide was also given and in a relatively short time she commenced to improve. At the present time she is in a thrifty, healthy condition and does not manifest any stiffness or lameness whatever.

The cases cited in this report represent calcium and phosphorus deficiencies. When it is known that cattle most readily store calcium and phosphorus while they are in the open and grazing on green pasturage, the question might arise as to why it was these cattle manifested the condition most prominently during the spring and summer months and as a rule after they were turned out. Agricultural writers endeavour to explain it in the fact that many livestock men cut off the grain ration as soon as they turn their animals out and the animals are thus deprived of a rich source of their mineral food. While it is possible that this feature may have a slight bearing on the occurrence of the condition, it is not at all likely that it is important. The logical explanation lies in the fact that mineral deficiency under these circumstances is a slow insidious process and that the reserve is being slowly used up during the winter months while the animals are being closely housed and fed on the dry roughage and grain. At about the conclusion of this stabling period the reserve is depleted, particularly if they are pregnant or milking heavily, and then the symptoms become aggravated. During the summer months, while the animals are on pasturage out in the open and sunshine, the minerals deficient are gradually replaced and by fall the symptoms will have disappeared.

It should be remembered that even though winter rations may possess a sufficient mineral content to supply the needs of cattle while being stable fed, they may not be in a form that is readily assimilable. The assimilation of the elements calcium and phosphorus is dependant upon other factors such as vitamines and sunshine. Minerals may be supplied through the addition of bonemeal to the grain ration, vitamines through the medium of yeast, cod liver oil and grain, and sunshine by having the barns well lighted and allowing the animals outside for a few hours every day when the weather is not inclement.

DISEASES OF SHEEP

The livestock men engaged in sheep husbandry are realizing more and more as time passes that there are a considerable number of diseases which may affect sheep. These conditions materially interfere with the gain which they might reasonably expect in the sheep industry. As a result of this many inquiries are received at the College and a considerable number of diseased sheep are shipped or brought in to determine the nature of the disease which is affecting them. In this respect it is found that parasites and parasitic diseases are more commonly met with. The losses suffered in this respect are difficult to estimate, but they are enormous for parasitism in many forms is prevalent all over the Province. The financial loss is not confined to the number of sheep and lambs that actually die but also to a greater extent because they produce chronic disease which permanently affects the health of the sheep so that they do not thrive and will not put on flesh despite the fact that they may be well fed.

Of the chronic forms of parasitism it is probable that the nodular worm and the lung worm are the two worst offenders. Stomach worms and tapeworms are also prevalent but produce more acute conditions rather than chronic disease. In many instances sheep are affected with many different forms of parasites simultaneously and it is not unusual to find a half dozen varieties on a post-mortem examination.

Clinic Case No. 482

NODULAR DISEASE IN SHEEP

The subject of this clinic was a pure bred Suffolk lamb six months old. It was a member of a flock in which there had been about thirty lambs. During the course of the summer about twenty of these lambs had died. The remainder were unthrifty with the exception of four or five of the older ones. This lamb was greatly emaciated, down and unable to get up. The mucous membranes were pale and anemic. A post-mortem examination was made and the intestinal tract was literally studded with nodules indicating infestation with the nodular worm (*Oesophagostomum columbianum*). The nodules contain a hard cheesy material of a greenish yellowish colour. The presence of large numbers of these interfere with assimilation of food and other functions of the intestine resulting in a loss of flesh, debility and finally cachexia. Besides causing losses in this respect they render the gut unfit for use for sausage casings and because of their prevalence sausage casings have to be imported into this country. Treatment for this worm is not attended with any great success for the mature parasite lives in the large intestine and the larvae are protected by the nodule. Frequent change of pastures and dosing the pregnant ewes with parasiticides will lessen the numbers of them.

SHEEP-KILLING DOGS

Stray dogs and others which are allowed to roam about at will quite often develop a predatory instinct and are a source of constant worry to the sheep husbandman. Once dogs develop this habit they become exceedingly cunning and at times quite daring in their tactics, being so bold as to enter the sheep fold and worry sheep. A flock of sheep that have been chased and worried by dogs do not get over it for days. They become timid and afraid to feed properly. In addition quite often a considerable number of sheep may be killed. Such dogs as a rule never stop to eat at a carcass, their main ambition being to kill, and as soon as one is disposed of another is chased. They usually attack the sheep about the head or else the hind quarters. The wool on the body prevents them from biting and doing serious damage.

Clinic Case No. 34

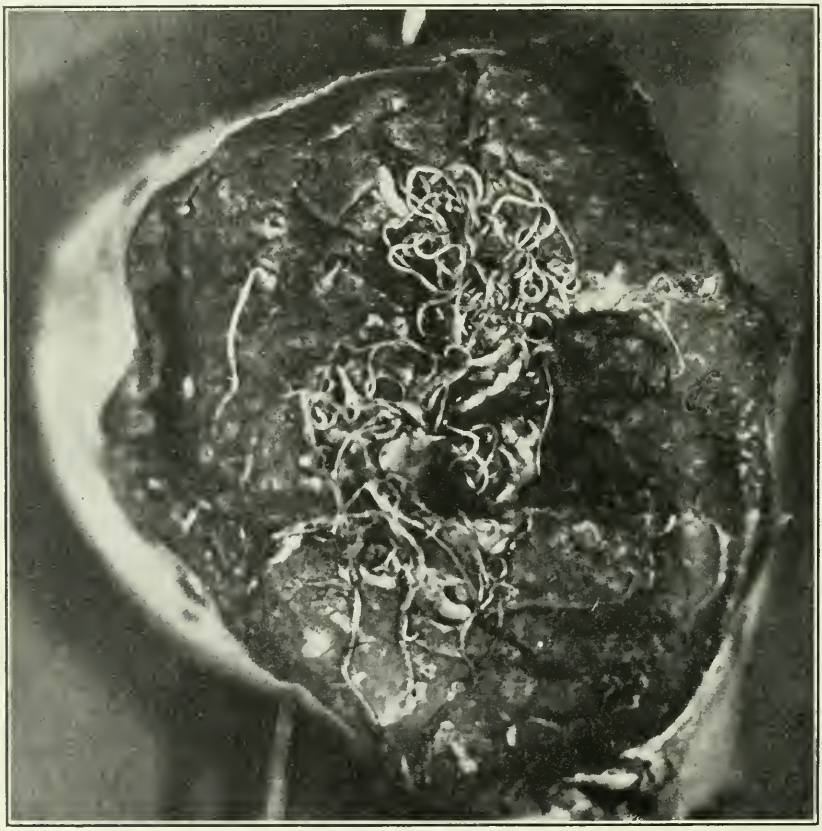
The subjects of this clinic were three sheep which had been chased and worried by dogs. In one case the lower lip was torn from its attachment to the gums. The wound had become infected and the mouth was so sore that the patient could scarcely partake of food. Another one had been bitten through the upper lip, leaving a large sloughing wound which had become very foetid. The third one was bitten so badly about the nose that breathing was greatly interfered with due to the swelling of the nostrils. At times she would breathe through her mouth. None of these animals had gotten over the scare and were still very timid about being handled.

The wounds were thoroughly cleansed, all necrotic tissue and other detritus being removed. Antiseptic dressings were applied daily and in the course of a week they were sufficiently recovered to be taken home.

Clinic Case No. 462

LUNG WORM DISEASE

This lamb was brought from the vicinity of Oakville, Ontario. It was in a thin, run-down dying condition, about five months old. The owner stated that most of the lambs in the flock were unthrifty and not doing well. This case was submitted for post-mortem examination to determine the condition affecting them. Stomach worms were found in the stomach. Tapeworms, nodular worms and whip worms were found in the intestines but the most severe lesions were



Lung worms of the sheep protruding from the bronchioles.

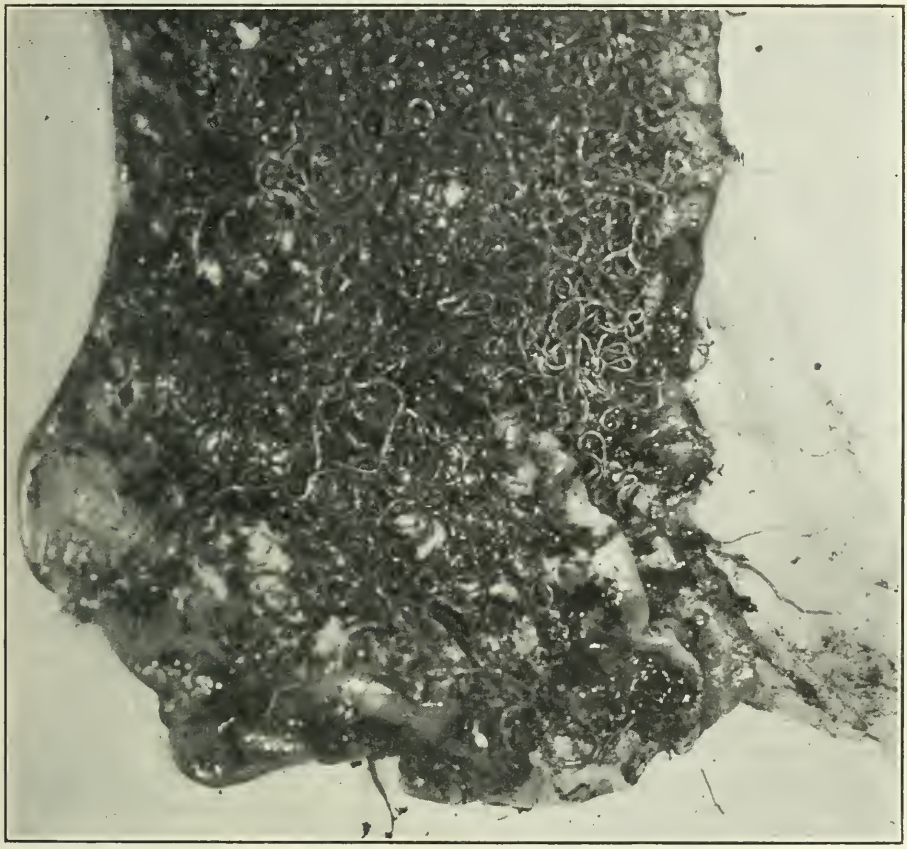
found in the lungs which were very heavily infested with lung worms (*Dictyocaulus filaria*). Many living specimens of the worm were found in the bronchioles and a small scraping out of a diseased area of the lung under the microscope revealed countless numbers of living larvae of the worm.

Treatment for this parasite is rendered exceedingly difficult because of its habitation. Intratracheal injections have some value but the lungs are so extensively damaged that while the parasite may disappear permanent lesions exist which interfere with the health and thriftiness of the animal. Preventative measures such as a frequent change of pasturage, weeding out unthrifty sheep from the breeding flock, and other measures of hygiene and sanitation should always be maintained.

Clinic Case No. 461

STOMACH WORM DISEASE

The owner of this case stated that he had thirty-three lambs. Recently three of them had died. This one, the fourth, was brought in for post-mortem examination. The symptoms were diarrhea, emaciation, anemia and oedema. When the carcass was opened and the viscera examined, large numbers of stomach worms were found. There were also a few tapeworms in the small intestine and whip worms in the large bowel. The stomach worm (*Haemonchus contortus*), however, was the chief offender in this instance. Thousands of these little



A portion of a sheep's stomach showing worms attached to mucous membrane.

parasites attach themselves to the mucous membranes of the stomach causing a gastritis and diarrhea and so severe is the inflammation set up that the exudate at times is quite bloody. This leads to anemia and oedema.

Treatment for this parasite is of some value, the copper sulphate and mustard mixture being the most popular remedy. A 1 per cent. solution of each ingredient is given in from three to four fluid ounce doses for the adult and about half the quantity to lambs after fasting them for eighteen hours. They should not be fed or watered for three hours after dosing. In a day or two they should be placed in a new pasture if one is available. Preventative measures consist of frequent change of pasturage and periodical dosing with the above mixture to keep the parasites down to the minimum.

Carcinoma in a Sheep

Tumour development in sheep is relatively rare. Occasionally wart-like granulomata are seen but the sheep is singularly free from new growths when compared with other domestic animals. No doubt the fact that they are relatively short-lived animals has some bearing on the rather rare occurrence of tumours. Because of the fact that such conditions are seldom reported it was felt that the following case was sufficiently interesting to make note of.

Clinic Case No. 286

The subject was a cross-bred ewe three years old and well advanced in her gestation period. She was in good flesh and quite thrifty. Situated on her withers a little to the right side just at about the point where the neck leaves the body was a large tumorous growth. In its centre it was breaking down and sloughing. With the least manipulation it bled profusely. The owner stated that on several occasions he had been afraid that the animal would bleed to death when she had injured the tumour while running about. On account of sloughing it smelled very foetid. The animal did not manifest any pain when it was handled. The growth had been developing for about three months but latterly was growing very rapidly. It was attached to the skin and subdermal structures by a neck of about two inches in diameter and then spread out into an enormous cauliflower-like growth of six or seven inches in diameter. It was decided to remove it by excision. Accordingly the tissues around the base of the tumour attachment were infiltrated with a local anesthetic. The animal was allowed to remain in the standing position but was held by the head. The tumour was then carefully removed by cutting around its base in the healthy tissue and dissection from the underlying structures. Several large vessels had to be ligated but the hemorrhage was not serious. The owner was instructed regarding the after care and subsequently reported that there had been no recurrence and that the wound healed without any further trouble.

A portion of the tumour was submitted to the pathological department for section to determine the character of the growth. The report stated that it was a carcinoma.

Hemorrhagic Septicemia in Sheep

This disease is quite prevalent in sheep and a considerable number of cases were examined during the winter and spring of 1928 at the College clinic. In some outbreaks the losses were quite severe in the flocks. As an example of an outbreak of this disease the following report is given.

Clinic Case No. 465

The owner of the flock stated that he had lost two sheep in the last week. This, the third one, had died, and the carcass was brought in for examination by the attending veterinarian. The symptoms manifested while the animal was sick were coughing, discharge from the nostrils and eyes, loss of appetite and weakness. The sickness was of short duration. The animal was in good condition when it contracted the disease. On opening the carcass the abdominal viscera were normal with the exception of a few nodules on the intestines. In the thorax, however, it was found that the lungs were markedly congested and hemorrhagic. Blood extravasations were evident on the heart and pericardium.

The lymphatics were also hemorrhagic. Bacteriological examination revealed the presence of the hemorrhagic septicemia organism of sheep. The owner was instructed to have the remainder of the flock inoculated to protect them, to thoroughly clean up and disinfect the stabling quarters and provide a change of pasturage.

DISEASES OF PIGS

During the course of a year a considerable number of pigs with various forms of disease are submitted to the clinic for diagnosis and treatment. The majority of those brought in for diagnosis are animals afflicted with some disease representative of a condition which a number may be affected with. Quite often young pigs develop disease at about the time they are weaned or shortly after and whole litters will suffer, particularly during the winter season. Parasitic conditions are common. Pneumonic diseases, digestive troubles and nutritional difficiencies are also met with.

Those pigs which are submitted for treatment are chiefly affected with some abnormality which can be corrected by surgical procedure. As an interesting example of this five pigs from one litter were brought in to the clinic. Two of them were affected with scrotal hernia, two were cryptorchids and the other one a hermaphrodite. Scrotal hernias and cryptorchidism are relatively common defects in pigs, certain sows and boars being prone to progenate young with these defects, and where this hereditary influence is evident these animals should not be used for breeding purposes. All five of the above animals were operated on successfully. The hermaphrodite case is reported in the following clinic.

Clinic Case No. 544

The subject was a Yorkshire pig about two months of age, just weaned and in a thrifty condition. In the external genitals both sexes were represented. Protruding from a vulva was a rudimentary penis about two inches in length. On the inferior aspect of the abdomen a sheath opening was present in its normal position. No sex glands were visible. It was decided to make an exploratory laparotomy for the purpose of determining the character of the internal genital organs and removing the sex glands if possible. The animal was anaesthetized with ether and a median line incision about two inches in length was made posterior to the umbilical cicatrix. By spreading the wound a large well formed uterus could be seen which when picked up was found to contain about six fluid ounces of heavy milky coloured fluid which ran out through the vulvar opening. The body of the uterus was ligatured as close to the pelvic inlet as possible and the uterine cornua drawn out. These were eight inches in length and instead of having ovaries attached to their extremities two well-formed sex glands simulating testes and epididymes were found. These structures were emasculated from their abdominal attachment and removed. The laparotomy wound was sutured and the patient made an eventful recovery.

An Unusual Case—Anal Atresia in a Pig

Clinic Case No. 551

This pig was three weeks old when submitted to the clinic. The owner stated that when the litter was about a week old he noticed that this one was not thriving as well as the others. Later on it became quite pot-bellied but it

was not until it was about three weeks old that he noticed the nature of its ailment. When brought in for examination its abdomen was enormously distended. It was not possible to make an opening through the pelvis to the rectum so a laparotomy in the left flank was decided on. The operative site was shaved, rendered aseptic and the animal anaesthetized. On opening the abdomen it was found the distension of the abdomen was chiefly due to gas-distended intestines and they were punctured several places with a hypo-needle to release the gas and reduce their bulk. Considerable difficulty was experienced in locating the blind pouch of the rectum. It was so enlarged and so tightly adherent to the pelvic structures that force had to be used to break down its attachment and expose it at the wound. This was accomplished by ligaturing it and cutting it off. The exposed extremity was then sutured to the edges of the laparotomy wound to form an artificial outlet to the digestive tube.

It is remarkable that an animal could live for three weeks with such a deformity. There was but little solid fecal material accumulated in the lower bowels although they were greatly distended with gas and because of the dilation peristalsis was lacking.

Parasitism in Pigs

There are a large number of parasites which infest and cause disease in pigs. Probably the two worst offenders in this respect are the round worm and the lung worm. The round worm produces unthriftiness in young and growing pigs and hinders their normal development at a time when they should be making the greatest growth.

Clinic Case No. 412

The subject of this clinic was a four-months-old Yorkshire from a litter of ten. The owner stated when they were weaned they were all apparently in a good thrifty condition but soon after starting to feed them they became unthrifty, although they ate well and were provided suitable food. The first manifestation noticed was a husky cough with the breathing more frequent than normal and irregular in character. Later on the cough disappeared but the pigs became pot-bellied. At times they had diarrhea. On other occasions they appeared to be constipated. None of them grew or thrived as they should. The case presented for examination was particularly stunted in its growth. The hair was coarse and curly and the skin scaley. The owner requested that the animal be humanely destroyed and a post-mortem examination made. This was done and a large number of round worms were found in the small intestines. This worm is known as the *Ascaris lumbricoides*, and the symptoms recorded in this instance are typical of infestation by it. The eggs of the parasite are taken into the stomach and intestines of the little pig often while still on the sow. When they reach the intestine the egg shell is dissolved and the young worm released, from whence it passes through the intestinal wall into a blood-vessel. It is then carried into the liver, from the liver to the heart, and from the heart to the lungs where it remains from one to two weeks to undergo further development and it is at this time the coughing is noticed. Ultimately they are coughed up or migrate up the trachea, are swallowed again and develop into the mature parasite producing the digestive symptoms and unthriftiness noted.

Pigs infested with these parasites can be treated with vermicides with a reasonable amount of success but the livestock man who takes preventative measures accomplishes the most and will have better success in raising his pigs. These consist of worming out the brood sow before she farrows, placing her in

a pen that has been thoroughly disinfected and cleansed with boiling hot water and lye. Washing off her belly and udder before the young are born is another precautionary feature. Placing the sow and her young in a colony house on pasturage that has not been inhabited by pigs previously also safeguards the growing pigs. After they reach the age of four months they are not likely to ever be seriously affected by the parasite.

SMALL ANIMAL DISEASES

This branch of veterinary science has become a highly important one in so far as the profession is concerned, many veterinarians confining their efforts to it alone. The treatment of diseases and ailments of small animals and household pets is attended with a great deal of success. Largely for sentimental reasons people seek professional assistance whenever conditions affect their pets and there is an increasing demand for veterinary service along these lines. Many cases are brought to the College clinic for examination and treatment. These are quite varied in character and consist of surgical cases, medical cases, parasitic diseases and other affections. The following are examples.

Clinic Case No. 42

The subject of this clinic was a female black fox which had broken the left front leg high up in the tibial region. In the accident the lower extremity of the leg had been torn off, leaving the broken end of the bone exposed. The muscles and skin around the fracture had been lacerated and torn and were sloughing. After making an examination of the injured extremity it was decided to amputate the limb higher up in the healthy tissues.

The fox was restrained by muzzling and being held. The amputation site was clipped, cleansed and rendered aseptic. Local anaesthesia was applied by blocking the nerve trunk supplying the parts and also infiltrating the cutaneous tissue around the area. With a sharp knife the skin and muscles were quickly incised right down to bone which was exposed and sawed off about an inch above the point where the soft tissues were severed. An antiseptic pac was applied and dusting powder supplied for further dressing. The owner subsequently reported that the patient had done well and the wound healed in a short time.

Otodectic Mange in a Persian Cat

Clinic Case No. 220

This animal was kept as a household pet and the owner had noticed that it was continually scratching at its ears. The scratching had been repeated so often and so severely that the long hair was pulled out and sores were forming back of the ear. When brought to the clinic, material taken from the ear and examined under the microscope revealed the presence of large numbers of mange mites (*chorioptic*). Immature parasites and numerous parasitic eggs were also noticed.

Treatment was applied by thoroughly swabbing out the ear with ether and subsequently massaging a sulphur tar ointment well down into it.

Remarks.—This form of mange is relatively common in cats and causes considerable discomfort and irritability. Fortunately the mite confines its activities to the ear and does not spread to other parts of the body. It readily responds to treatment.

Fistulous Sinus in a Cat

Clinic Case No. 377

The subject of this clinic was a common grey cat about six years old. For some months it had been noticed that she would swell up on the side of the face just below the eye, become sick, sometimes take a fit, and then ultimately the enlargement would rupture, allowing pus to escape. It would discharge for a short time, then heal up, and later repeat the process again.

When brought to the clinic for examination it was discharging. On opening the mouth a diseased molar was found directly below the discharging sinus. Forceps were applied and the tooth extracted. A fine probe could be passed in the cavity occupied by the tooth out through fistulous opening below the eye. After the extraction of the tooth the sinus healed up and since then there never has been a recurrence of the condition.

Otodectic Mange in an Angora Rabbit

Clinic Case No. 255

The mange mite which commonly infests the ear of a rabbit is of a different variety to that which affects the cat, and the lesions produced are much more pronounced. In this instance through neglect the condition had become quite marked. Due to the irritation and inflammation caused by the parasite, exudate, scurf and crusts had collected in the ear. The skin was thick, lying in folds, red in appearance, and sensitive to manipulation. Microscopic examination of material taken from the ear revealed many mange mites (*Variety Psoroptes*). As the animal was not valued, no treatment was attempted. It was kept for a short time for demonstration purposes and then humanely destroyed.

Phthiriasis in a Dog

Clinic Case No. 492

Lice infestation in dogs is not as common as it is in some other species of domesticated animals. Occasionally, however, they are affected and in some cases seriously. In this instance the subject was an aged cocker spaniel. The owner complained of the animal scratching and being ill at ease, and thought it was affected with mange. When examined it was found that a very heavy infestation of lice had taken place. By parting the hair on the ears, the skin could be seen to be literally massed with them. They could be found all over the body but the ears and the head appeared to be the most favoured region of abode.

Treatment was applied by dipping the patient in a 1 per cent. creolin solution. The day following, the coat was thoroughly combed out and pyrethrum powder dusted in once a day. Two weeks later the dipping operation was repeated and at that time there were very few parasites to be seen. The patient looked much improved and his coat was glossy and shiny.

Fatty Degeneration of the Liver

Clinic Case No. 23

This patient was submitted to the clinic for diagnosis. He was an Irish terrier, eight years old, and kept as a pet. He had always been in good health up until about five months previous to this examination. The first indication of disease the owner noticed was that the animal began to lose flesh and look unthrifty. Coincident with unthriftiness he developed a voracious appetite and could not seem to get enough to eat. Whenever allowed out he would run to all the garbage pails in the neighbourhood and eat everything he could obtain. In spite of the amount of food taken he continued to lose flesh and when brought to the clinic was greatly emaciated. Feces passed were of a distinctly clay colour. Abdominal palpation revealed a fullness in the region of the stomach. A disagnosis of chronic liver disease was made and as it was considered useless to attempt treatment he was humanely destroyed. The carcass was opened and the liver was found to be greatly enlarged and of a pale yellowish colour. The kidneys were indurated. The bowels dilated due no doubt to the continual overloading. Specimens of liver tissue were taken for microscopic examination and the finding of fatty degeneration reported.

Eczema in Dogs

Skin troubles are very common in dogs and one of the conditions most frequently encountered is a moist eczema which usually breaks out in the skin along the back and over the body.

Clinic Case No. 30

An aged Scottish terrier, always kept quite fat and used as a household pet.—Diet consisted chiefly of bread and other table scraps with milk. He developed a severe pruritis along the right side and up the back. This he would scratch violently. Ultimately raw sores appeared in several places from which a serous exudation occurred. The skin was thickened, swollen and intensely itchy. When not interfered with the exudate dried up, leaving crusts as scurf which matted the hair together.

Treatment consisted of the administration of a cathartic to be followed by an alterative tablet whose chief ingredients were sulphur and arsenic. A sulphur and oil of cade ointment was dispensed for local application. The owner was instructed regarding the diet in which it was stipulated that meaty foods should predominate.

DEPARTMENT OF ZOOLOGY AND HISTOLOGY

The usual routine work of teaching, demonstrating and preparing tissue for class work has been conducted by this department as in previous years. No marked changes have been made in the curriculum. It has, however, been considered advisable to make a closer study of the anatomy and life histories of the internal parasites and, where possible, zoology is taught in such a manner as to correlate the subject with the course in parasitology which the student

receives during his senior years. Histology is presented to the student with a view of laying a foundation for the study of pathology, physiology and biochemistry. In addition to histology the first year students are given a course in embryology as a preparation for histology.

Meat Hygiene

The course which is delivered to the senior year consists of lectures and demonstrations and is conducted with a view of giving the graduate who is entering general practice a comprehensive knowledge of the subject and at the same time preparing students for entry into the Federal service under the Health of Animals Branch.

Department of Applied Pathology

Below will be found a table which gives an account of the work performed by this department during the past year. As will be seen there has been an increase in the number of animals or specimens examined for parasites. This would appear to indicate that the stock owners of Ontario are becoming more aware of the importance of the control of parasites in domesticated animals. Much of the material submitted to the department is useful for demonstrating disease conditions and parasites to the students.

During the past year the department has made a further study of liver disease as found occurring among horses in Northern Ontario, and a large number of sections have been prepared for microscopical examination. Coccidiosis of chickens has also received attention and many sections were prepared in an attempt to gain a clearer knowledge of this disease.

Ten samples of water were tested and eight samples of feed and forage were examined and tested for the presence of poisonous properties thought to be contained therein.

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Foxes	Rabbits	Fowl	Total
Tuberculosis	3	.....	.....	1	.....	.....	.....	.....	1	5
Tumours	4	1	5	3	3	.....	4	.....	1	21
Pneumonia	9	5	2	19	7	1	12	1	.....	56
Parasites	2	10	17	3	5	.....	463	3	10	513
Poison	.....	.....	2	1	1	.....	.....	.....	.....	4
Intestinal Disease	.....	2	1	18	2	1	13	1	.....	38
Abscess	2	3	2	.....	.....	1	.....	.....	.....	8
Peritonitis	.....	.....	.....	10	1	.....	.....	.....	.....	11
Enteritis	3	.....	.....	6	.....	.....	9	1	.....	19
Nephritis	.....	.....	.....	2	.....	.....	.....	.....	.....	2
Goitre	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Actinomycosis	2	.....	.....	.....	.....	.....	.....	.....	.....	2
Hemorrhagic Septicemia	4	6	.....	3	.....	.....	.....	.....	.....	13
Leukemia	.....	.....	.....	.....	.....	.....	1	.....	3	4
Cirrhosis of the Liver	16	.....	.....	.....	.....	.....	.....	.....	.....	16
Tissue from Operations	1	1	4	1	.....	.....	.....	.....	.....	7
Urinalysis	2	.....	2	2	.....	.....	.....	.....	.....	6
Food Poisoning	2	.....	.....	3	.....	.....	3	.....	.....	8
Mastitis	9	.....	.....	.....	.....	.....	.....	.....	.....	9
Anaemia	.....	.....	.....	13	.....	.....	.....	.....	.....	13
Meat Examinations	3	2	.....	3	.....	.....	.....	.....	11	19
Total	62	31	35	88	19	3	505	6	26	775

THE DEPARTMENT OF PATHOLOGY AND PARASITOLOGY

The work of the department may be conveniently considered under the headings of tutorial, routine, research and investigatory. In addition to this much time is spent with farmers, fox ranchers and others who come with a great variety of problems to be solved.

Tutorial.—Lectures and laboratory work, which constitute the major part of the educational programme, have been continued as in the past, with but minor alterations. In the instruction of the students the methods followed are those which tend to stimulate the mind and cause the student to think for himself.

Routine.—The routine work of the laboratory consists chiefly in the diagnosis of diseased tissues, the examination of fox feces for the eggs of parasites, and the preparation of the abortion bacterin and vaccine. In the last few years there has been a marked change in the attitude of the fox rancher towards applied science in the control of parasitic diseases. The earlier indifference or scepticism has disappeared, and in its stead is a spirit of hearty co-operation. This results in many interviews with owners and a great increase in laboratory examinations.

Research.—A number of experiments are being conducted with the object of determining the cause of anaemia in suckling pigs. Experimental work in the cure of the same condition is also being undertaken.

Investigatory.—The only important investigation made during the year was concerning the so-called "liver disease" of horses in Northern Ontario. A full account of the investigation is included in this report.

ABORTION VACCINE AND BACTERIN

The preparation and distribution of these biologics has been continued throughout the year, with the demand remaining constant. During the year 3,447 doses of vaccine and 5,428 doses of bacterin were distributed. At the beginning of the year a change in policy was made, and the free distribution of these biologics ceased, and a small charge of 25 cents per dose was made. Our interest was not in the financial returns or the depreciation of market prices, but simply to secure for the veterinary surgeon a vaccine in which the "live organism" were really viable and therefore effective.

During the year under review a marked change in opinion among veterinarians producing and using the "live organism" (vaccine) has taken place. The reasons for this change as well as the reasonableness of the change must be briefly considered. The discovery four years ago that a case of fever and general malaise in a human being was due to the presence of *B. abortus* infection was somewhat disconcerting. Especially when the occurrence of the disease in dairy cattle was so very common, and the consumption of raw milk, in rural areas at least, the usual practice. It was hoped that such infections were very rare and therefore no occasion for alarm. Unfortunately, however, when the not infrequent cases of "pyrexin of unknown origin" were examined either by the agglutination test or by blood culture, *B. abortus* infection was found to be more frequent than had been anticipated. About twenty cases of the disease have been reported from the Province of Ontario since the spring of the year.

Such facts necessitated a reconsideration of the policy of unrestricted distribution of the vaccine (live organism) to practising veterinarians. There are those, especially in the medical profession, who would immediately and unconditionally stop the use of the "live organism" but such a negative policy offers no substitute to prevent or limit this very serious disease of cattle. With the infection increasing among cattle why should it decrease among people when it is assumed that cattle are the source of human infection? At the present moment, due to insufficient data, it would be very difficult to formulate anything more than a very tentative policy. Certain facts have recently been discovered that were not anticipated. One of the most important is that most of the cases of human infection are of porcine origin. In very few human cases has the bovine type been isolated. It may yet be discovered that the "bovine strain" has little to do with undulant fever of man. But even though human cases were due to infection from bovine sources, the discontinuance of the use of the live organism would, while eliminating one possible source of infection—that of the vaccine itself—cause an increase in the quantity of animal infection due to the increased number of abortions among cattle. It is generally admitted that the live culture does reduce the number of cases of abortion. Those opposed to the use of the "live organism" point out, and very rightly so, that we do not yet know the fate of the organisms which we inject. That if avirulent strains are used they may again become virulent, and that if virulent strains are used there is a danger of spreading the disease by making carriers. The policy of segregation and sanitation, while ideally correct, is a pratical impossibility as a general policy. Improved sanitation must be urged, but a policy of eradication based upon blood testing and elimination of reactors cannot be made effective on the average farm in the Province for many years to come.

On one point there is general agreement, that the use of the "live organism" must be very carefully safeguarded. That it should never be employed until a blood test has shown the presence of specific abortion and then only when the infection is very extensive in the herd.

It is only reasonable to suppose that methods which prevent the occurrence of the disease in animals will indirectly protect man by limiting the available foci of infection. To what extent we can depend upon sanitation and whether the use of available biological preparations are of value in accomplishing the desired end remains to be seen. At present the pasteurization of milk is the only sure way to protect human beings from this animal infection.

THE VIABILITY OF THE *B. PULLORUM* IN THE TISSUES OF THE DEAD CHICK

In the routine diagnosis of bacillary white diarrhea in young chicks, streak cultures from the liver and heart are made on serum agar plates. On several occasions it was noticed that even though the chicks had been dead for several days almost pure cultures of the *B. pullorum* could be obtained. The advanced putrefaction had failed to destroy the bacilli and also did not interfere with their growth on culture media as the decomposition was due to the activities of anaerobes. Thinking it might be of interest to see how long the *B. pullorum* would survive in a decomposing carcass the following simple experiment was made.

Liver cultures were made from several dead birds using serum agar plates.

After culturing, the carcass was closely wrapped in waxed paper and allowed to remain at room temperature. Cultures from the liver were made at intervals of two or three days. The results are shown in the following table:

No. of Bird	Time of Making Culture After Death of Chick	Result	Condition of Carcass
4150	Forty-eight hours	Almost pure culture of *pullorum*	Slight decomposition.
	Ninety-six hours	" " " "	Badly decomposed.
	Sixth day	Equal numbers of colon and *B. pullorum* colonies.	
4142	Twenty-four hours	Pure culture of *B. pullorum*	Good.
	Seventh day	Badly mixed, but *B. pullorum* colony the most prevalent	Badly decomposed.
4148	Twenty-four hours	*B. pullorum* in pure culture	Good.
	Ninety-six hours	Plates heavy with *B. pullorum*	Badly decomposed.
	Ten days	Equal numbers of *B. pullorum* and other colonies	Very bad.

The results of these tests would indicate that the *B. pullorum* has marked powers of resistance against putrefactive changes. There was also some evidence of a multiplication of the organism during the first few days. These facts have a practical value. It means that dead chicks can be shipped to the laboratory from distant points in the Province with the reasonable assurance of a satisfactory diagnosis.

Another Cylindroma

In the annual report for 1924 an unusual case of malignancy in the horse was described as a cylindroma. Another case very similar in clinical manifestations and identical in histological structure has come to our notice. The case was reported by Dr. Barthelme of Parsons, Kansas, U.S.A., to whom we are indebted for the history and tissue which he kindly sent to us.

History.—"The subject was an aged horse in good flesh and with good appetite. For about three months swellings have been appearing in the skin. Peculiar circumscribed local thickenings. These increased in size rapidly but showed no signs of suppuration, extending over the region of the neck, shoulders, sides and abdomen."

Gross Appearance.—A few small portions of the skin alone were received. These showed a somewhat diffuse thickening of the corium which had the colour and consistency of hyaline cartillage. The tissue was quite firm and on section cut with a crispness.

Microscopical Appearance.—Sections showed the presence of numerous thick cylindrical hyaline-like masses of tissue. These stained very intensely with eosin. On the borders of these homogeneous masses were quite a few irregular nuclei. In general the appearance of the section reminded one of a keloid.

Such tumours are not malignant in man. It is interesting to note that in both this and the previous case they were malignant for the horse.

THE LABORATORY DIAGNOSIS OF COCCIDIOSIS

One of the most serious and frequent diseases affecting poultry, especially young chicks, is coccidiosis. The essential feature of the disease is inflammation of the intestinal mucous membrane by a protozoan parasite, the *Eimeria avium*. In this brief report we are concerned alone with the laboratory diagnosis and therefore will not discuss the varying clinical manifestations of the disease or the prophylactic and curative measures that may be employed. Modern poultry farming, with its large flocks of birds and frequently very limited ground area, results in extensive and devastating outbreaks of this as well as other infections. During the summer months of every year a great many birds affected with or suspected of coccidiosis are received at the College. In the large majority of cases diagnosis is made without difficulty, but occasionally, due to atypical lesions or unusual parasitic forms, diagnosis is most difficult. The disease being one of such importance it was thought advisable to briefly record those laboratory findings which we had found to be of definite diagnostic value. A point we would emphasize here, in fact it is the chief reason for making the report, is that several coccidial forms frequently observed in the microscopical examination of feces are not made clear in the typical and much-copied pictures of text-books. Some of these forms have been reproduced in the drawings made by Dr. Batt.

Post-mortem Findings.—These are almost entirely limited to changes occurring in the small intestine and coeca. They represent four types of inflammatory reaction and given in order of frequence they are: Exudative and fibrinous; hemorrhagic; catarrhal, and productive inflammations.

The exudative form is undoubtedly the commonest type. One or both of the coeca are distended and filled with a fibrinous cheesy exudate. The condition is seriously aggravated due to the very small opening from the coeca which makes escape of the inflammatory exudate impossible. The exudate is usually rich in a variety of forms of coccidia.

Differential Diagnosis.—This form is easily confused with *Amoeba meleagridis* infection. In entero-hepatitis damage to the liver is almost always present in the form of circumscribed areas of necrosis, while in coccidiosis the liver is rarely affected. It is important to remember that both infections may be present in the same bird. This has been observed on several occasions. Further consideration is given to the microscopical differentiation of these two infections at the close of this paper.

The hemorrhagic form represents a most acute infection. It is manifested by the presence of blood in the lumen of the intestine or coeca. The latter may be quite distended with blood and the walls show numerous petechial hemorrhages. Bloody diarrhea has often been noticed previous to death. A microscopical examination of a scraping of the mucous membrane freed from blood usually reveals the presence of many coccidia.

Differential Diagnosis.—The only condition with which the per-acute form could be mistaken is intestinal hemorrhage due to a deficiency of vitamin C. In the latter, which is quite rare, no evidence of inflammation is present and the small intestine rather than the coeca is the seat of hemorrhage.

The catarrhal form is quite common, especially in older birds. Frequently no definite anatomical changes are seen. In a typical case the mucous membrane, especially in the duodenum, has a furred appearance, being covered with a

grayish, rather granular, slime. There may be a number of small white discrete spots which, when examined under the microscope, prove to be masses of coccidia. Apart from the microscopical examination of a surface scraping, diagnosis is practically impossible.

Differential Diagnosis.—There is nothing here to cause confusion, except possibly infestation with the *Davainea proglottina*.

The Productive Type.—This is rare, and when present is characterized by a thickening of the wall of the intestine or coeca. By palpating the firmness or in cross section the increased thickness of the intestinal wall is quite evident. Such tissue changes may be due to bacterial invasion of the sub-mucosa consequent upon damage to the epithelial tissue. Diagnosis can alone be made by means of a microscopical examination of a mucous scraping.

Differential Diagnosis.—Infestation with the *Davainea proglottina* or some other parasite is about the only other cause for such productive inflammation apart from the coccidia.

The last two types represent a chronic infestation. Such birds are usually carriers and constitute an important factor in the spread of disease.

The Microscopical Diagnosis of Coccidiosis.—It can be emphatically stated that ultimately the diagnosis of coccidiosis demands the use of a microscope. Experienced clinicians may be able to diagnose the condition with accuracy when typical symptoms are manifested, but atypical forms will be overlooked, and with possibly serious results.

Technique.—This is quite simple, yet the points enumerated below must be observed if mistakes are to be avoided.

(1) The material used in making the examination may be fecal from either a living or dead bird, or scrapings from the mucous membrance of the intestine or coecum.

(2) Place on a glass slide a small quantity of feces about as large as a grain of wheat and dilute with at least an equal quantity of water. This is of importance as the smears made by beginners are usually much too dense.

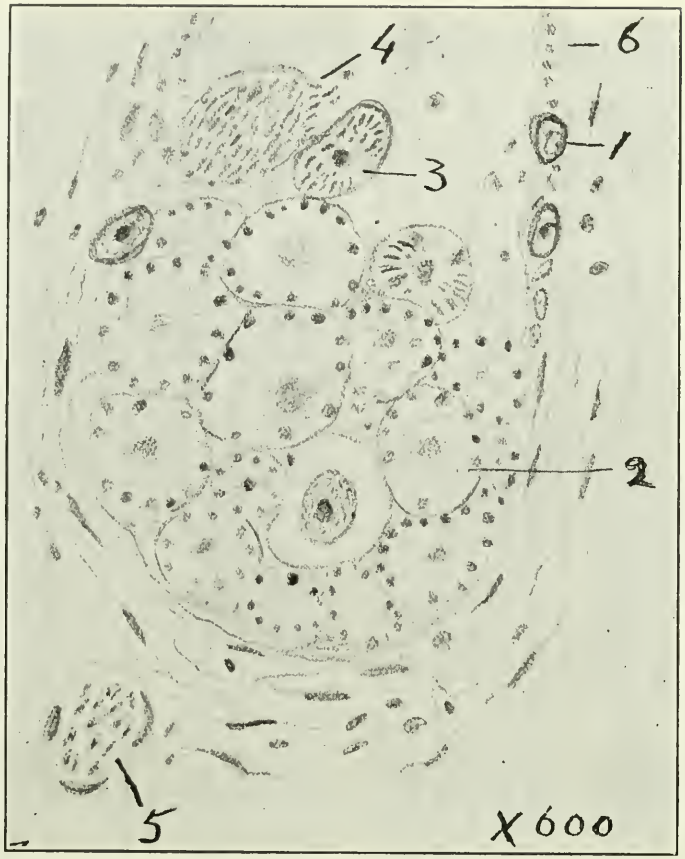
(3) Place a cover glass on the specimen carefully avoiding all pressure, otherwise the film may be rendered useless.

(4) Examine under the microscope, using the low-power lens, with greatly subdued light. Bright light will pass through the body of the coccidia.

Interpretation of Observations.—This is not easy for the beginner unless the parasites are typical and plentiful. The following drawings show the commonest forms of the parasite as they appear in stained and unstained specimens.

Some of the forms which abound in typical cases of coccidiosis, and unquestionably represent a stage in coccidial development, are not to be found amongst those described in the "standard charts of the coccidian life cycle," while many of the forms shown in such charts are rarely, if ever, seen in diagnostic work. For this reason we have reproduced some of those coccidial forms which are common and diagnostic.

The Oocyst.—The coccidium when in the oocyst stage is easily recognized. It is oval in shape with a thick double contoured cell wall, and contains within it a granular oval body, like a large nucleus, which consists of closely related sporozoits. There is almost always a clear space separating the cell wall from

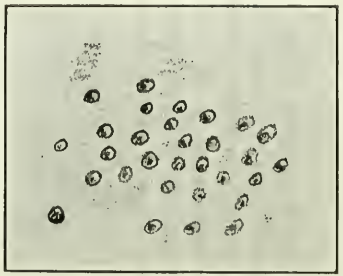


From Caccum. (Stained)

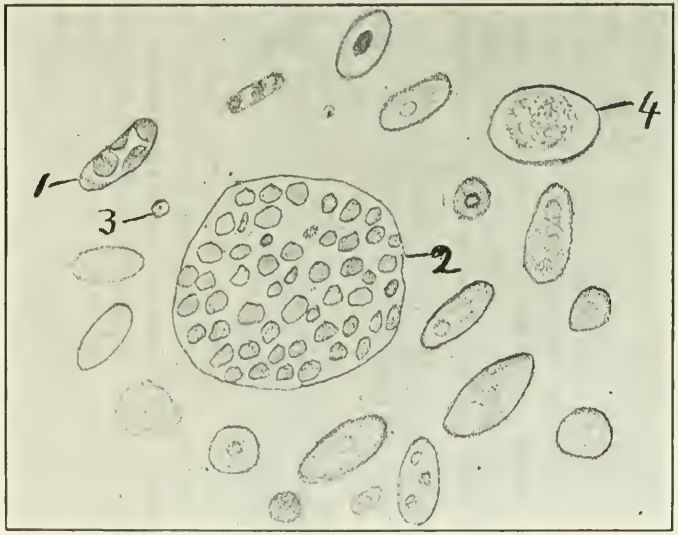
1. Trophozoites.
2. Early merozoite.
3. Late merozoite.
4. Free merozoite.
5. Red blood cells.
6. Epithelium of gland.

Smear from Caecum Unstained x 800

1. Granular hyaline form, 15-25 u.
2. Non-granular form, 8-40 u.
3. Early trophozoite, 7-9 u.



Oocysts in Smear from Caecum x 160.



x 800

1. Trophozoite, 8-13 m.
2. Merozoite, 50-50 m.
3. Escaped merozoite, 3-6 m.
4. Oocyst, 8-16 m.

x 850
Early Merozoites in Smear from Gut. (Stained)

Oocysts in Fecal Smear x 430.

the enclosed granular body. Under the lower power of the microscope these oocysts appear as small, oval bodies, much larger than, yet possessing the same greenish colour as whiteblood cells in a counting chamber. Their presence in large numbers indicates coccidiosis. There absence, however, must not be considered as freedom from coccidiosis. The beginner is quite likely to mistake air bubbles for oocysts. Differentiation is easy in the thick, black contour of an air bubble with a transparent centre. Air bubbles also are usually round. The eggs of the *Heterakis* have occasionally been mistaken for oocysts. Differentiation can easily be made due to the difference in size, the oocyst measuring from 7 *u.* to 14 *u.*, while the eggs of the *Heterakis* measure 45 *u.* to 90 *u.*

The Merozoite.—The torpedo-shaped merozoite is an organism rarely seen in fecal smears during routine examination. A very common form, which is in all probability closely related to the merozoite, is shown in Fig. 3 as an early trophozoite. They are oval in shape and usually have two highly refractile granules, one at either extremity of the cell. The cell is usually a little larger than the nucleus of an epithelial cell which it closely resembles. The granular cytoplasm of these cells is well brought out by staining in haemotoxylon. Staining the film is a real asset to diagnosis when this form predomintaes. In size these forms vary from 7 *u.* to 9 *u.*

Hyaline Cells.—Pale, transparent cells which resemble large lymphocytes are frequently seen, especially in the less severe cases. These cells may be discrete but more often are found in clusters of varying numbers. Unless the light is carefully adjusted they will not be seen by the casual observer. A very interesting fact with regard to this form is its fragility. Should the cover slip be pressed on the specimen, or should the lens press upon the cover slip—even ever so slightly—in focussing, they will be destroyed. Staining the smear is of value in demonstrating this variety. Most of these cells are quite clear and possessed of a nuclear-like body which is usually eccentrically placed. Granular forms of what appears to be the same type of cell are often seen. In size the cell varies from 8 *u.* to 40 *u.* It is difficult to give this cell its proper place in the developing coccidium; it most likely belongs to the early sporogonous cycle.

A variety of other forms are occasionally seen, but usually in conjunction with the ones described. If these three types can be recognized then the diagnosis of most cases of coccidiosis should not be a difficult matter.

Differentiation Between Coccidiosis and Enterohepatitis.—Up to the present no mention has been made of the microscopical differentiation between coccidiosis and "blackhead" infection. When liver lesions are present in enterohepatitis, which is usually the case, differentiation is simple. But should intestinal lesions alone be present a differential diagnosis by fecal smear alone between these two diseases is by no means easy or certain. For accurate diagnosis sections must be made and stained with haematoxylon and eosin. In enterohepatitis such sections will show the parasite, the *Amoeba meleagridis*, deep down in the submucosa, even in the connective tissue between the circular and longitudinal muscle fibres. It can also be demonstrated in the liver lesions. This is not so with the coccidia, which remain in the epithelial cells, failing to penetrate into the underlying tissues.

ENDEMIC CIRRHOSIS OF THE LIVER IN THE HORSE (LIVER DISEASE)

F. W. Schofield, D.V.Sc.

For some years the College has been receiving reports from Dr. J. Dunn of New Liskeard, Ontario, describing a disease of horses which seems to be peculiar to that part of the Province. While the symptoms of the disease may show some variation, an anatomical change, that of a greatly enlarged liver, is common to all cases, hence the popular name "liver disease." The disease was considered serious enough to warrant an investigation, which was made during the month of August.

Historical.—Hepatic cirrhosis has unquestionably been occurring in Northern Ontario for many years but until recently had passed unnoticed as a disease entity due to the absence of qualified veterinarians in this new country. Some of the early settlers stated it to be their belief that cases of the disease have been occurring from time to time ever since the country was opened up for settlement some forty years ago. In the year 1918 Dr. H. E. Batt of the Ontario Veterinary College was sent to New Liskeard to investigate a strange disease of horses which resembled somewhat cerebro-spinal meningitis. He reported the disease to be probably due to the heavy feeding of alsike. Hepatic cirrhosis is known to occur as an endemic disease in both the horse and ox. A very serious form of the disease was at one time quite common among cattle in Pictou County, Nova Scotia, and became known as "Pictou cattle disease." The cause was finally discovered in a weed, *Senecio jacobea*, or stinking willie. A similar condition among horses has been reported from Germany, where it is known as "Schweinsberger sickness." In the United States the disease has been designated "bottom disease" by Schroeder,[1] and "walking disease" by Kalkus, Tripper and Fuller.[2]

Occurrence.—One must speak here with caution as it is quite likely that the disease is more widespread than is at present known. Most of the recognized cases have occurred in the agricultural area that lies between New Liskeard on the south and Englehart on the north. No adequate data can at present be obtained for territory outside this area as it is largely unoccupied by veterinarians. The affected area is part of the Timiskaming district and occupies the southern border of the great "clay belt" of Northern Ontario. The soil is almost entirely a heavy clay, black, brown or white in colour, depending upon the relative proportions of humus or lime in the soil.

While writing this report I was informed by Dr. A. L. Rooks of North Bay that the disease is quite prevalent in the surrounding country. He has already come to the tentative conclusion that excessive feeding of alsike clover is responsible for the disease.

Symptoms.—Certain symptoms occur with such regularity that they may be considered as pathognomonic of the disease. These are congestion of the visible mucous membranes, which have a characteristic dirty yellowish colour due to bile pigmentation; a variable degree of stupour which is usually manifested early in the disease; anorexia, with but slight elevation of the temperature and increase in the pulse rate. To these might be added the highly coloured urine, which is so frequent that the disease is sometimes designated as "black water." This colouration is undoubtedly due to the presence of bile pigment. The disease

might be described as occurring in an acute or cerebral form and a chronic or cachectic form. In the acute form the onset is usually quite sudden. An animal, apparently in good health, is noticed to be "off feed," perhaps eating a little hay but refusing the oats. Within a few hours there is evidence of marked depression, frequently alternating with great excitement. If in harness the animal will forge ahead almost blindly, paying little attention to the word of the driver and failing to respond to the bit. Animals at large will walk for miles and miles, travelling continuously around the border of the field, or walking persistently in a circle. This intense desire to walk is a very common symptom of the disease. When stabled the head is either intermittently or constantly pressed against the front of the stall. The animal in a fit of excitement may even attempt to jump over the manger. Abnormal irritability is sometimes evidenced by biting or kicking. Spasmodic contractions of the muscles of the neck, frequent yawning and grinding of the teeth are common symptoms. The temperature is usually elevated a degree or two while the pulse is accelerated to 50 or 60 beats per minute. In addition to these the characteristic symptoms previously mentioned will, in most cases, be present. There may be a sudden subsidence of the acute symptoms with recovery in the space of a few days or, as more frequently happens, paralysis and death in coma. Animals which recover usually suffer from subsequent attacks which ultimately prove fatal. In the chronic or cachectic form the disease is more insidious in its onset. The affected animals lose flesh; become somewhat sluggish; the coat is dry and harsh; the conjunctiva is a dirty yellow colour, while the mucous membrane of the mouth is slightly congested, yellowish and may be ulcerated. Unsteadiness of gait frequently occurs and in some cases was the first symptom to be observed. There is irregularity in the bowel movements, constipation alternating with diarrhea, while the urine is usually dark in colour. The appetite is variable. It may be well maintained until the last, but in most cases is poor, the animal refusing all grain. Little alteration is noticed either in the temperature or pulse. The history is essentially one of progressive emaciation with increasing evidence of langour and stupour. The case may, however, terminate suddenly with marked cerebral excitement as in meningitis. As in the acute form the sick animals when unrestrained may wander for miles going blindly ahead and frequently colliding with obstacles which happen to be in the way.

Naturally there are quite a few cases which do not conform to either of these types, but have some of the characteristics of each. A word must be said in regard to the fecal matter. Strangely enough even in the acute cases with marked jaundice there is little evidence of diminished bile in the feces.

Etiology.—Without going into details it may be stated that after a careful consideration of the occurrence, nature and possible causes of the disease, two probable causes remained for further investigation, namely, parasites and alsike clover. While the cause of this disease may be found to lie outside either parasitism or plant poisoning, yet the relationship of these to the disease seemed more intimate and probable than anything else suggested. At any rate their elimination as possible causes would greatly help in forming a constructive policy in handling the disease.

Alsike Clover.—Locally there was a marked difference of opinion as to the relationship of this plant to the disease. Certainly there is no direct evidence that would incriminate the plant, however strong the circumstantial evidence may be. We will state the most important positions held by those who believe alsike to be quite unrelated to the disease. (1) Alsike clover is used as a food

plant for animals in many parts of this country and also in other countries without harmful effect. (2) That even locally many farmers have fed alsike continuously for years without having a single case of "liver disease." (3) That animals becoming acutely sick while pasturing on alsike have been placed back on the same pasture as soon as recovered. (4) That where the disease has occurred, frequently one only of several animals has been affected. While these arguments are both legitimate and forceful they must be considered in the light of the following facts: (1) That in the "clay belt" alsike clover grows with a luxuriance unknown in any other part of Ontario. It would be hard to imagine a heavier growth occurring anywhere. The hay frequently contains from 75 per cent. to 95 per cent. alsike clover. (2) Evidence is coming to hand which would lead us to believe that changes in the liver of a chronic nature are very common in horses in the disease area. Horses may be affected without the disease becoming serious enough to show clinical manifestations. There is also the well-known fact of seasonal variation in the toxic content of plants to be considered. Another fact not to be overlooked is the effect of the soil on toxicity. Plants growing on one soil may be toxic while on another soil they are harmless. The proportion of alsike in the hay is another important factor. (3) The fact that an animal sometimes recovers when returned to alsike pasture is not easy to explain. One can merely suggest the possibility of the toxin having a cumulative effect, but it must not be forgotten that recovery is rarely, if ever, permanent. (4) Individual idiosyncrasy is quite sufficient to explain the erratic occurrence of the disease as mentioned above.

The evidence that appears to incriminate alsike may be summed up in the following: (1) No case of the disease has ever been known to occur in a horse which has not been receiving a liberal amount of alsike. In lumber camps where the hay is rejected should it contain more than one-third alsike, the disease is rarely known. (2) That alsike is a mildly poisonous plant is generally admitted. Alsike fever or rash is quite common in horses with white skin. It is not unreasonable to suppose that a plant which causes such severe local irritation when it contacts the skin may cause some irritation of the intestinal mucosae and, during absorption, act as a toxic irritant to the liver. (3) Alsike clover is the only constant factor in every case. Even parasites were not present in all cases.

Note on Alsike Clover.—The luxurious growth of alsike clover is due to the composition of the soil which is a heavy clay containing quite a little lime. The organic and mineral constituents of the soil seem to be present in proportions which constitute an almost perfect medium for the growth of alsike. The plant grows everywhere like a rank weed. It abounds in the great burnt areas called "slash"; it grows along the roadside. "Scratch the soil anywhere and up comes alsike." Farmers stated that from three to four bushels of seed per acre was not unusual in the "clay belt" while one bushel would be considered a good crop elsewhere.

Parasites.—An almost identical disease with the one under consideration has been described by Kalkus, Tripper and Fuller[3] as probably due to severe parasitism by the cylicostomes. They offer, however, no conclusive evidence, either epidemiological or experimental. Realizing the importance of determining the relationship of parasites to the disease numerous fecal examinations were made searching carefully for the eggs of parasites. Among forty specimens of feces examined, twelve showed large numbers of eggs, five were negative, while the remaining twenty-three samples showed eggs in numbers that would suggest moderate parasitism only. Of considerable significance is the fact that two of

the five negative samples came from horses affected with the disease. Another fact of almost equal interest is that three of the heavily parasitized horses were controls and quite free from any evidence of the disease. These findings naturally caused us to desert for the time the theory of parasitic causation and to consider further the more probable factor of alsike clover.

Specimens of the parasites found were sent to Dr. Maurice Hall of the Bureau of Animal Industry, Washington, D.C., for identification. The department kindly replied through Dr. Hassal that the most prevalent parasites were different species of cylicostomes. The *Strongylus edentatus* and S. *vulgaris* were also present but not numerous.

Post-mortem Findings.—Here, unfortunately, the description must largely be limited to the liver alone. Of the two post-mortem examinations made by the writer, the immediate cause of death was, in one, rupture of the stomach, while in the other case accurate diagnosis was impossible, the animal having been dead for some time. However, many specimens of liver tissue from typical cases have been received at the laboratory and a number of post-mortem examinations have been made by the local veterinary surgeon, Dr. Dunn.

Gross Appearance.—In all cases there is a great enlargement of the liver, which may be several times the normal size. The borders of the lobes are rounded, and frequently on either surface, usually the diaphragmatic, are found fibrous tissue thickenings and bands of tissue either unattached or joined to adjacent organs. There is a definite change in colour to a grayish brown. In many cases a greenish yellow hue gives evidence of accumulated bile pigment. The weight of the liver may be as much as fifty-six pounds. The consistency of the organ is that of dense rubber or leather. The surface of the liver may be rough or smooth, the roughness due either to fibrous tissue adhesions or the irregular growth of regenerating liver tissue.

Microscopic Appearance.—Two essential changes have been observed in all tissues examined, namely, (1) fibrous tissue proliferation, and (2) damage to and destruction of liver cells. In the earliest cases of the disease slight fibrous tissue thickening can be easily discerned around the individual lobules. This was exquisitely seen in a two-day-old foal whose dam was suffering from an incipient form of the disease. In the advanced cases the disease is typically that of perilobular fibrosis. Quite frequently there is an extensive proliferation of bile ducts, and certainly in some cases evidence of liver cell regeneration by such means. One case was studded with colonies of regenerated liver cells. The hepatic cells show evidence of great damage with their shrunken atrophic forms and occasional pyknotic nuclei. The condition is that of hypertrophic cirrhosis.

Nature of the Disease.—With the very limited knowledge at present at our disposal it is impossible to give any adequate interpretation of our findings. It is of interest to note that imported horses rarely contract the disease before a residence of more than one year in the district, while in native horses the disease is rarely manifested before the animals have reached maturity. This is in agreement with the pathological findings, there being no evidence of anything acute but rather of changes brought about by the activity of a low-grade irritant. The sudden outbreaks of the acute type of the disease are probably due to a stasis in the flow of bile with unusual absorption. The evidence of this is twofold, the marked icterus and the pronounced pigmentation of the liver in such cases. The cause of the sudden and acute attacks of jaundice is not evident. It is quite possible that it is related to an inflammatory condition of the duodenum as catarrhal inflammation of the intestine has been reported in the acute cases.

With regard to the chronic form of the disease, the slow but progressive destruction of liver tissue must ultimately result in tremendously impaired liver function, and have an increasingly deterimental effect upon the whole animal body. There is now no doubt that animals free from any clinical evidence of the disease may yet be suffering from an advanced cirrhosis of the liver. A case of unusual interest was that of a foal, two days old, born of a dam that had suffered from an acute attack during pregnancy. Both the foal and dam died of unrelated diseases; on post-mortem examination the liver of the dam was found to be extensively cirrhosed, while microscopic examination of the liver of the foal showed early peri-lobular fibrosis. There is some evidence of the presence of a cumulative poison in the peculiar way in which an animal may become profoundly sick for a few days, recover and then remain well for months without any sufficient change in food or environment to account for the recovery. It must be remembered, however, that permanent recovery is very rare.

Experimental.—Preparations are now being made for future feeding experiments. The most obvious experiment, that of feeding large quantities of alsike clover to horses over a long period of time, will be the first to be made. It is highly important that accurate information be obtained and that as speedily as possible, as to the relationship between the plant and the disease in question.

Conclusions.—(1) That "liver disease" of horses occurring in the Timiskaming district of Ontario is a true hypertrophic cirrhosis of the liver. (2) That the disease is intimately related to the feeding of alsike clover. (3) That the evidence incriminating alsike clover, although at present quite incomplete, is sufficient to warrant the tentative advice to limit the feeding of alsike clover to horses.

References

[1]Freidberger and Frohner, Vol. 2, page 451.
[2]Eighth and Ninth Annual Reports, B.A.I., U.S.A., 1891-1892, page 371.
[3]Journal, A.V.M.A., Vol. 68, pages 285-298.

DEPARTMENT OF BACTERIOLOGY

During the year ending October 31st, 1928, the work carried out may be summarized under the following headings:

Teaching.—This was the same as during the preceding year. Lectures on bacteriology were given to the second, third and fourth year classes, and laboratory work in bacteriology to the third and fourth years. A course of lectures and practical work in milk hygiene and poultry diseases was also given to the fourth year class.

Preparation of Biological Products.—Forty thousand test doses of *S. pullora* antigen and positive and negative control sera were distributed to veterinarians for the agglutination test for *S. pullora* infection. A small quantity of *A. abortus* antigen was sent out for use by veterinary surgeons. Autogenous bacterins were prepared for use at the College and by practitioners.

Research and Investigation.—Experimental work was continued with *S. pullora* infection, roup, infectious tracheitis, disinfection of incubators with formalin, calf pneumonia and parasites. In addition, investigations were made into outbreaks of disease where necessary and biological products employed through the local practitioner in certain cases. Reports, where the work is sufficiently advanced, are submitted in the accompanying appendices.

Routine Examination of Specimens.—This consisted of the routine examination of samples of fowl and cattle blood, and the bacteriological, or such other examination as was required, of other specimens. Most of the routine testing was carried out by Miss A. Le Grand. The only fowl bloods examined were from the Poultry Husbandry Department of the O.A.C., and breeding stations under the supervision of the Department of Agriculture of Ontario. Testing for others was carried out by certain practitioners to whom we supplied the necessary antigen and control sera for this work. During my visit to Europe this summer for post-graduate study the routine poultry autopsies were carried on by Dr. H. D. Nelson in co-operation with Drs. H. E. Batt and F. W. Schofield.

Blood Serum Examinations

Animal	Disease	No. of Samples Received	Positive	Suspicious	Negative	Unfit for Testing
Fowl	*S. pullora infection*	6,556	421	5	6,130	.....
Cattle	Infectious abortion	1,636	512	85	1,025	14

Synopsis of Bacteriological and Other Examinations Comprising 1,410 Specimens

Condition or Disease	Horses	Cattle	Sheep	Swine	Poultry	Miscellaneous
Abortion	.....	1	.....	.....	.....	Milk.....36
Abscess and other infections	12	29	2	2	22	Urine..... 3
Actinomycosis	.....	1	.....	.....	.....	Canaries.... 2
Bacillary white diarrhea	.....	.....	.....	.....	263	Rabbit..... 1
Pullora ovaries	.....	.....	.....	.....	19	Eggs..... 4
Adult pullora infections	.....	.....	.....	.....	8	Cat..... 1
Cloacitis	.....	.....	.....	.....	2	Pigeons..... 2
Other chick diseases	.....	.....	.....	.....	65	.....
Colds or roup	.....	.....	.....	.....	10	.....
Avian diphtheria	.....	.....	.....	.....	40	.....
Nutritional conditions	.....	.....	.....	1	103	.....
Range paralysis	.....	.....	.....	.....	15	.....
Transient paralysis	.....	.....	.....	.....	2	.....
Coccidiosis	.....	2	.....	.....	189	.....
Hemorrhagic septicemia	1	7	.....	1	39	.....
Cholera-like diseases	.....	.....	.....	.....	5	.....
Roundworms	.....	.....	.....	.....	43	.....
Tapeworms	.....	.....	.....	.....	123	.....
Roundworms and tapeworms	.....	.....	.....	.....	63	.....
Other parasites	.....	.....	1	.....	9	.....
Peritonitis	.....	.....	.....	.....	37	.....
Oviduct conditions	.....	.....	.....	.....	27	.....
Impaction of crop	.....	.....	.....	.....	8	.....
Visceral gout	.....	.....	.....	.....	1	.....
Leukemia	.....	.....	.....	.....	18	.....
Tuberculosis	.....	1	.....	.....	56	.....
Johne's disease	.....	2	.....	.....	.....	.....
Enterohepatitis in chicks	.....	.....	.....	.....	3	.....
" turkeys	.....	.....	.....	.....	17	.....
Poisoning, weeds, etc	.....	.....	.....	1	7	.....
Tumours	.....	1	.....	.....	25	.....
Mastitis	.....	8	1	.....	.....	.....
Cystic oviduct	.....	.....	.....	.....	4	.....
Hemorrhage	.....	.....	.....	.....	2	.....
Putrid and not diagnosed	.....	3	3	1	55	.....
Totals	13	55	7	6	1,280	49

SALMONELLA PULLORA STUDIES

RONALD GWATKIN, D.V.Sc.

A FURTHER COMPARISON OF THE AGGLUTINATION AND PULLORIN TESTS FOR THE DETECTION OF CARRIERS OF *S. pullora*

In the last annual report we[1] noted the results of a comparison of 512 tests on fowl with the agglutination and pullorin tests. It was considered that of these 406 could be fairly compared. Based on this number it was found that the agglutination test was more satisfactory than the pullorin test as shown by bacteriological examination of a number of ovaries of the reacting hens. Reference was made in this paper to the work of Ward and Gallagher,[2] Scherago and Benson,[3] Fuller,[4] Broerman,[5] Graham and Tunnicliff[6] and Edwards and Hull.[7] An Illinois report[8] summarizes the results in farm flocks in that state as follows: The pullorin test detected not less than 70 per cent. and often more blood reactors. All blood reactors were detected by the intradermic method in some flocks. In all, 172 farm flocks, including 27,816 chickens, in twelve different counties, were tested intradermally. Of these 4,199, or 15.1 per cent. proved positive. Attention is drawn to the necessity of making the injections properly and correctly interpreting the reactions. It is also pointed out that neither the pullorin nor the agglutination tests detect all the infected birds.

This paper deals with a comparative test on 112 birds. The 1-50 dilution was employed in the agglutination test and three samples of pullorin, numbered 26, 27 and 28, kindly supplied by Dr. R. Graham of Illinois. Table 1 gives the details of those birds that gave a positive agglutination or pullorin reaction, or both.

TABLE 1

Bird No.	Pullorin Test	Agglut. Test	Bird No.	Pullorin Test	Agglut. Test
1	+	—	69	+	+
4	+	—	73	+	—
6	+	—	78	+	—
23	+	—	79	+	—
25	+	—	81	+	—
27	+	—	84	+	—
28	+	—	86	+	—
29	Susp.	—	87	+	+
40	"	—	91	+	—
65	+	—	2220	+	—
66	+	—			

It will be noticed in Table 1 that nineteen birds gave a positive pullorin test and two were suspicious. Only two of these gave a positive agglutination reaction and in these two the tests were in agreement. Pullorin No. 26 was injected into 43 birds. Two of these gave positive pullorin ractions. Pullorin No. 27 was injected into 36 birds. Twelve of these gave positive reactions. The two agglutination positive birds fell in this group. Pullorin No. 28 was used on 33 birds. Five of these gave positive reactions. As these injections were all made at the same time, with the same syringe and needle and in the same order as listed, it shows very clearly the difference that may exist in different batches of pullorin.

The ovaries of two of the agglutination positive birds and four that gave only a positive pullorin reaction were examined bacteriologically. In the work already referred to, ten out of twelve agglutination positive birds were found to have infected ovaries, while *S. pullora* was not recovered from any of the eleven birds that gave only a pullorin reaction. In this case one of the two agglutination positive birds was found to have an infected ovary, while those of the four pullorin positive birds appeared normal and on culture were negative for *S. pullora*. While it is impossible to make a definite statement without having examined the other thirteen positive pullorin birds it appears probable, especially in view of the previous work, that a number of normal birds would have been removed from the flock by the pullorin test.

Ten birds were next tested with commercial pullorin from the same source as that reported upon last year. Results of this test are given in Table 2.

TABLE 2

No.	Pullorin Test	1–50	1–100	1–250	1–500	1–1000	Autopsy and Bacteriological Examination
R1277	+	+	+	—	—	—	Many pathological follicles. *S. pullora.*
R1325	+	+	+	P	P	P	Ovary very pathological. *S. pullora.*
R1339	+	+	+	+	+	+	Many pathological follicles. *S. pullora.*
R1281	+	+	+	P	—	—	Ovary pathological. *S. pullora.*
S 155	+	+	+	P	—	—	Pathological ovary. *S. pullora.*
R1263	—	+	+	+	+	P	Ovary pathological. *S. pullora.*
R1357	—	+	—	—	—	—	2 or 3 pathological follicles. *S. pullora.*
R1334	—	+	+	—	—	—	Ovary pathological. *S. pullora.*
S 167	—	—	—	—	—	—	Ovary normal. No *S. pullora.*
S 202	—	—	—	—	—	—	Ovary normal. No *S. pullora.*

With this group, as will be noted in Table 2, there is a disagreement on three birds. These were negative by the pullorin test and positive by the agglutination test. *S. pullora* was recovered from the ovaries of all of these. This organism was recovered from the ovaries of all of the eight positive birds and from neither of the negative birds of the group.

Summary.—It is recognized that infected birds may not give an agglutination reaction at times, but the fact that *S. pullora* was recovered from 19 out of 22 agglutination positive birds, and from none of the 15 pullorin positive birds examined in this and last year's experiments, would indicate that the agglutination test was more satisfactory than the pullorin test in our hands.

FURTHER COMPARISON OF RAPID AND REGULAR AGGLUTINATION TESTS WITH *S. pullora* ANTIGEN

In the last College report we[1] published a note on the comparison of 400 sera by the regular test (1-50 dilution) and the rapid method advocated by Runnells et al.[9] These tests were not in agreement in a number of instances. Results were not controlled by *post-mortem* and bacteriological examination.

Following are the results of the examination of 136 sera by both methods, employing the rapid method as described by Runnells and dilutions of 1-50, 1-100 and 1-250 which were read at 24 and 48 hours. The post-mortem and bacteriological examinations were made by Dr. C. P. Fitch of Minnesota, to whom I am indebted for permission to use these results. The sera became available for testing in the course of some co-operative work in which we were engaged. The results of both tests and the autopsy and cultural findings are given in Table 3.

TABLE 3

Bird No.	Rapid 1–50	24 Hr. 1–50	Autopsy and Bacteriological Examination	Bird No.	Rapid 1–50	24 Hr. 1–50	Autopsy and Bacteriological Examination
1	—	—	Negative.	69	—	+	*S. pullora isolated.*
2	—	P	"	70	—	+	" "
3	—	—	"	71	—	—	Negative.
4	+	+	"	72	—	—	*S. pullora isolated.*
5	—	+	"	73	—	+	" "
6	—	+	"	74	—	—	Negative.
7	+	+	*S. pullora* isolated.	75	—	—	"
8	—	+	Negative.	76	+	+	*S. pullora* isolated.
9	—	—	"	77	+	+	" "
10	—	+	"	78	+	—	Negative.
11	+	+	"	79	—	—	"
12	—	—	"	80	—	—	"
13	—	—	"	81	—	—	"
14	+	+	*S. pullora* isolated.	82	—	+	*S. pullora* isolated.
15	+	—	" "	83	—	—	Negative.
16	—	—	Negative.	84	+	+	*S. pullora* isolated.
17	—	+	"	85	+	+	" "
18	+	+	*S. pullora* isolated.	86	—	—	Negative.
19	—	P	Negative.	87	+	P	"
20	—	—	"	88	—	—	"
21	—	+	"	89	+	—	*S. pullora* isolated.
22	—	—	"	90	+	+	Negative.
23	+	—	*S. pullora* isolated.	91	+	+	"
24	—	—	Negative.	92	+	—	"
25	+	+	*S. pullora* isolated.	93	+	—	*S. pullora* isolated.
26	—	—	Negative.	94	+	+	Path. ovary. Neg. culture.
27	—	+	"	95	+	—	*S. pullora* isolated.
28	—	+	"	96	+	—	" "
29	+	+	*S. pullora* isolated.	97	—	—	Negative.
30	—	—	Negative.	98	—	—	"
31	+	—	*S. pullora* isolated.	99	—	—	"
32	+	+	" "	100	—	—	"
33	+	—	Negative.	101	P	—	*S. pullora* isolated.
34	+	+	*S. pullora* isolated.	102	P	+	" "
35	—	+	Negative.	103	P	+	Negative.
36	—	—	"	104	P	+	"
37	—	+	"	105	—	—	"
38	—	—	"	106	—	—	"
39	—	—	"	107	+	+	*S. pullora* isolated.
40	—	—	"	108	+	—	" "
41	—	—	"	109	+	+	" "
42	—	—	"	110	+	P	Negative.
43	+	+	*S. pullora* isolated.	111	+	+	*S. pullora* isolated.
44	—	—	Negative.	112	+	—	Negative.
45	—	+	*S. pullora* isolated.	113	+	P	"
46	+	+	" "	114	+	+	*S. pullora* isolated.
47	+	P	" "	115	+	+	" "
48	+	P	Negative.	116	+	+	" "
49	+	+	*S. pullora* isolated.	117	+	+	" "
50	+	+	" "	118	+	+	" "
51	+	+	" "	119	+	+	" "
52	+	+	" "	120	+	P	" "
53	+	+	Negative.	121	+	+	" "
54	+	P	"	122	+	+	" "
55	—	+	*S. pullora* isolated.	123	+	—	Negative.
56	+	+	Path. ovary. Culture neg.	124	+	—	Few gross lesions. No *pullora.*
57	+	+	*S. pullora* isolated.	125	—	—	Negative.
58	—	P	Negative.	126	+	+	*S. pullora* isolated.
59	+	+	*S. pullora* isolated.	127	+	—	" "
60	—	—	Negative.	128	+	+	" "
61	—	+	"	129	+	+	Negative.
62	+	P	*S .pullora* isolated.	130	+	+	*S. pullora* isolated.
63	—	+	" "	131	—	+	" "
64	—	—	" "	132	+	—	" "
65	+	+	" "	133	+	+	" "
66	—	+	Negative.	134	+	+	" "
67	—	—	"	135	+	—	" "
68	—	—	"	136	—	+	" "

+ = Positive. P = Partial reaction. — = Negative.

The first twenty-seven sera were set up with antigen No. 1938 in the rapid test and our mixed antigen for the 24 and 48-hour readings. The remaining samples were set up with antigen made from strain No. 1938 in both tests. With the twenty-seven samples any discrepancy might fairly be blamed on the difference in agglutinating quality of the strains, but with samples Nos. 28 to 136 this factor does not enter into consideration. In the first series of twenty-seven sera eleven were not in agreement. Two were negative in the rapid and gave a partial reaction in the regular test. These birds were negative on autopsy and bacteriological examination. Seven were negative in the rapid test and positive by the regular method. All of these were negative on autopsy and cultures were negative. Two were positive by the rapid test and negative by the regular method. *S. pullora* was isolated from the ovaries of these birds.

With the second series, from Nos. 28 to 136, there were forty-two sera that were not in agreement. Fourteen were negative in the rapid and positive in the regular test. *S. pullora* was recovered from nine of these birds. One was negative in the rapid test and gave a partial reaction by the regular method. Autopsy was negative. Fifteen sera were positive by the rapid method and negative by the regular test. *S. pullora* was recovered from the ovaries of nine of these birds. Eight sera were positive in the rapid test and gave a partial reaction by the regular method. *S. pullora* was isolated from three of these birds. Three gave a partial reaction by the rapid method and were positive in the regular test. *S. pullora* was isolated from one of these birds. One sample gave a partial reaction by the rapid method and was negative in the regular test. *S. pullora* was recovered from this bird.

Omitting the first series and dealing only with the second group, in which the same strain was used to prepare both the heavy and light antigen, we find the number of birds shown to be infected on autopsy about the same. The use of either method alone, with this particular strain, would have resulted in failure to pick either fourteen or fifteen birds which gave a reaction by one method or the other. With each method the percentage of reacting birds found positive on culture was also about the same. On comparing the test with the mixed antigen used for our regular testing, which was also employed with these sera, we find that it is in closer agreement with the rapid, as is shown by the difference in the twelve sera in Table 4.

TABLE 4

Serum No.	Rapid 1938	No. 1938			Mixed Antigen		
		1–50	1–100	1–200	1–50	1–100	1–200
48	+	P	—	—	+	+	+
54	+	P	—	—	+	+	+
58	—	P	P	—	+	—	—
93	+	—	—	—	P	—	—
96	+	—	—	—	+	+	+
108	+	—	—	—	P	P	P
110	+	P	—	—	+	+	—
112	+	—	—	—	+	—	—
120	+	P	—	—	+	+	+
124	+	—	—	—	+	+	—
127	+	—	—	—	+	+	—
132	+	—	—	—	+	+	—

Table 4 shows that the rapid test with antigen No. 1938 and the regular test with the mixed antigen gave in most cases a closer agreement than the rapid

and regular results with strain No. 1938. This is possibly due to the fact that No. 1938 was picked for the rapid test on account of the fact that it did not tend to give false positives but it was evidently less agglutinable when diluted for the regular test. The rapid test with No. 1938 and the regular test with mixed antigen disagreed badly in the first twenty-seven sera to which reference has already been made.

If the finding of *S. pullora* is to be taken as the measure of efficiency of the tests both appear to have had about the same value when using strain No. 1938 and both would have failed rather badly. The regular test with the other antigens employed was more satisfactory. It is obvious that the strains of *S. pullora* tried in this and the previous work were not satisfactory from the standpoint of correlation between the two methods nor was No. 1938 satisfactory as an antigen for either method.

Summary.—With the cultures employed in this work for the preparation of antigens for both the rapid and regular tests on 136 sera there was great disagreement in the results obtained. Basing results on either positive reactions or post-mortem and cultural findings, both methods were equally unsatisfactory with antigen No. 1938. The mixed antigen gave better results in the regular testing but had previously been shown to be unsatisfactory for the rapid method. It is evidently necessary that a strain be obtained that will agglutinate more closely under both conditions of test, and at the same time will have the other qualities necessary for a satisfactory antigen. None of these appear to have been possessed by the strain with which this work was carried out.

The Production of Gas in Dextrose by *S. pullora*

Goodner and May[10] consider that the division of *S. pullora* into types A (aerogenic) and B (anaerogenic) is unwarranted. They consider the reported anaerogenicity is due to high incubation temperature. They recommend a special medium for testing the fermentative qualities of this organism.

During the spring of 1928 some experiments were carried out with the dextrose broth of Goodner and May. The writer is indebted to Miss A. Le Grand and Mr. P. J. G. Plummer for assistance with this work. Seventeen available stock cultures were planted in the regular extract broth with a reaction of pH 7.8 to which 1 per cent. of Andrade's indicator and 1 per cent. dextrose and mannose had been added. Tubes were incubated at 37° C. After incubation for one month nine cultures showed acid in dextrose and mannose, but no gas. The histories of these cultures are given in Table 5.

Table 5

No.	History
44	Isolated 1926 from ovary. Originally gas in both sugars.
B1	Source unknown—old. Originally gas in both sugars.
519	April, 1924. Chick. Originally gas in both sugars.
640	Isolated May, 1924 } Originally gas in both sugars.
931	" Sept., 1924 }
1938	" March, 1926, from ovary. Originally gas in both sugars.
1987A	" April, 1926, from ovary. Originally gas in both sugars.
B2271	Received from another laboratory, 1927. Source unknown.
B2491	" " " " " " "

Seven of the nine cultures listed in Table 5 were known to have produced gas at some time. Nothing was known regarding the last two.

The nine cultures were planted in Goodner and May broth, lot A, with a pH of 7.0, and were incubated at 37° C. Two strains, Nos. 44 and B2271 formed gas in 24 hours. No. 519 formed gas after three days' incubation. No gas formed in any of the other tubes after 25 days' incubation.

The six strains that had not produced gas were transferred on the fourth day from the previous fermentation tubes to more tubes of lot A and incubated at 30° C. for 25 days. One more tube, No. 931, showed gas formation at 48 hours. The remainder did not produce gas. At the same time seedings were made from the original agar slants to lot B (pH 7.8) and incubated at 40° C. No. 931 again produced gas but none was produced by the others.

The five strains that had not formed gas were now transferred to tubes of Goodner and May broth, lots C, D, E, F and G. These had a reaction after sterilization of pH 6.8, 6.8, 6.6, 7.0 and 7.6 respectively. They were incubated at 30° C. for 21 days. Nos. 1987A and B2491 formed gas within 48 hours. Slightly more gas was produced in lot F than in the other tubes by the former and more in lots C and D by the latter strain.

The remaining three strains were planted in lot H (pH 6.4) from the previous fermentation tubes after four days' incubation. B1 showed 20 per cent. of gas in the inner tube within three days. The other two did not show gas after thirty days' incubation at 30°C.

Nos. 640 and 1938 were planted in lot I (pH 6.4) at the time B1 showed gas. Seedings were made from agar slants and also from the tubes of broth. No. 640 from the agar slant produced gas within 48 hours but no gas developed in the culture made from the broth tube. No. 1938 was incubated 40 days at 30° C. without any evidence of gas production.

No. 1938 was next planted in nine more lots of Goodner and May broth, namely J to Q, which had reactions of pH 6.4, 6.2, 6.4, 6.4, 7.4, 7.8, 8.0 and 8.4 respectively. No gas developed in any of these samples of broth after 30 days' incubation at 30° C. This culture was next planted in tubes of lots A and H and was transferred from these tubes to other tubes of the same lots on the third and fifth days and daily from the seventh to the fourteenth day, both inclusive. All these tubes were incubated at 30° C. for a month but there was no evidence of gas production in any of them.

Three strains of *E. sanguinaria* were incubated in the various lots of Goodner and May broth and none gave evidence of gas formation.

Summary.—Nine out of 17 stock cultures of *S. pullora* failed to produce gas at 37° C. in 1 per cent. dextrose broth with a reaction of pH 7.8. Seven of the nine strains had originally been gas producers. The histories of the other two were unknown. Eight of the nine cultures eventually produced gas at 30°C. in Goodner and May dextrose broth. The ninth culture was tried in seventeen different lots of this broth without evidence of gas production, although this strain had produced gas when first isolated two years previously.

The Addition of Sodium Hydroxide to *S. pullora* Antigen

Mathews[11] reported that the cloudy substance in certain sera was soluble in dilute sodium hydroxide solution. Mallman[12] recommended the addition of 1 c.c. normal sodium hydroxide solution to each 100 c.c. of antigen, not only for the prevention of cloudy reactions but as a routine procedure. The sensitivity of the antigen was increased by such addition. Fitch and Lubbehusen[13] state

that the use of sodium hydroxide has not been entirely satisfactory in their work as the change of pH has materially affected the results in some cases with sera of weak agglutinating properties.

We found that the addition of 1 per cent. of N/1 NaOH removed the difficulty with cloudy reactions with 100 sera with which comparisons were made. These sera were set up in duplicate with and without the soda solution. It was impossible to form any opinion in the plain antigen while in the soda antigen the readings were clear cut. Ten sera were set up with varying quantities of NaOH and also in the plain antigen. The writer is indebted to Mr. P. J. G. Plummer for assistance with this work.

The ten sera were set up in *S. pullora* antigen alone and in antigen containing from 1 to 5 per cent. N/1 NaOH. The results are shown in Table 6.

Table 6

Serum No.	Per cent. of NaOH	Dilutions				Serum No.	Per cent. of NaOH	Dilutions			
		1–50	1–100	1–250	1–500			1–50	1–100	1–250	1–500
D310	None	+	+	+	—	D338	None	P	P	P	—
	1	+	+	+	—		1	+	+	P	P
	2	+	+	+	—		2	+	+	P	P
	3	+	+	+	—		3	+	+	P	P
	4	+	+	P	—		4	+	+	P	—
	5	+	+	P	—		5	P	P	P	—
498	None	+	P	—	—	276	None	+	+	+	+
	1	+	+	—	—		1	+	+	+	+
	2	+	+	—	—		2	+	+	P	—
	3	+	+	—	—		3	+	+	+	+
	4	+	+	—	—		4	+	+	+	+
	5	+	+	—	—		5	+	+	+	+
455	None	+	—	—	—	X	None	P	P	P	P
	1	+	+	+	—		1	+	+	+	P
	2	+	+	—	—		2	+	+	+	P
	3	P	P	—	—		3	+	+	+	+
	4	P	P	P	—		4	+	+	+	P
	5	P	P	—	—		5	P	P	P	P
297	None	+	+	—	—	B110	None	P	P	—	—
	1	+	+	—	—		1	P	P	—	—
	2	+	P	—	—		2	P	P	—	—
	3	+	+	—	—		3	P	P	—	—
	4	+	+	—	—		4	P	P	—	—
	5	+	+	—	—		5	P	—	—	—
463	None	+	+	P	—	D50	None	+	P	—	—
	1	+	+	P	—		1	+	P	—	—
	2	+	+	P	—		2	+	P	—	—
	3	+	+	P	—		3	+	P	—	—
	4	+	+	P	—		4	+	P	—	—
	5	+	+	P	—		5	+	P	—	—

Examination of Table 6 shows that four sera, Nos. 498, 455, D338 and X showed a higher titre when the alkali was added to the antigen. The other six were the same when the soda was added in the prescribed quantity, but the larger amounts of alkali checked the reaction in some cases. There were some inequalities in reading as will be noticed in the 4 per cent. set of tubes in No. 455, the 2 per cent. set in No. 297, the same set in No. 276 and the 3 per cent. set in X. While every care was taken to have dilutions as accurate as possible, the readings may have been due to error, or possibly belong to the so-called paradoxical reactions referred to by Fitch, Boyd and Billings.[14] It seems improbable that they were due to the soda or the variations would have been more consistent.

Summary.—The addition of 1 per cent. of N/1 NaOH to *S. pullora* antigen prevented cloudy reactions in a comparison made with 100 unreadable samples. The sensitivity of the antigen was increased in four out of ten samples examined and remained the same with the other six. No opinion could be expressed on such a small number of sera and the results of this latter part of the experiment are given for what they are worth.

Summary of Experiments

1. The agglutination test proved more satisfactory than the pullorin test on a group of 112 birds.

2. In a comparison of the rapid and regular agglutination tests on a controlled group of 136 birds both methods were equally unsatisfactory with the antigen employed. It appears necessary to obtain a strain of *S. pullora* that will agglutinate more closely under both methods of test and at the same time have the qualities required in a satisfactory antigen. This strain had been selected for the rapid method on account of the absence of auto-agglutinating tendencies but other qualities were apparently sacrificed by this choice.

3. Nine out of 17 stock cultures of *S. pullora* failed to produce gas at 37° C. in 1 per cent. dextrose broth with a pH of 7.8. Seven of the nine had originally been gas producers. Eight eventually produced gas at 30° C. in Goodner and May dextrose broth. The ninth strain was passed through seventeen different lots of this broth without evidence of gas production, although it had formed gas when isolated two years previously.

4. The addition of 1 per cent. of N/1 NaOH to *S. pullora* antigen prevented cloudy reactions in a comparison of 100 unreadable sera. The sensitivity of the antigen was increased in four out of ten sera which were set up in dilutions of 1-50, 1-100, 1-250 and 1-500 in antigen alone and with quantities of the soda solution varying from 1 to 5 per cent. In the other six it remained the same. Comparison of a large number would be necessary before advancing an opinion on the question of increase or decrease of agglutinating power but 1 per cent. of the soda solution is unquestionably of value with cloudy samples that could not otherwise be read.

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THE DISINFECTION OF INCUBATORS WITH FORMALDEHYDE DURING HATCHING

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It is generally admitted that incubators may spread infection to healthy chicks through the hatching of an infected group of eggs. Hinshaw, Upp and Moore[1] showed that normal chicks, exposed in a forced draught incubator to artificially infected chicks and chick down, contracted bacillary white diarrhea. Weaver[2] states that their work has given direct evidence of the spread of infection to normal chicks during incubation by means of an incubator contaminated by infected chicks. Hinshaw, Scott and Payne[3] transmitted bacillary white diarrhea to normal chicks from infected eggs hatched from reactor hens in a forced-draft incubator in six out of eight hatches. The condition usually becomes worse as the season progresses, especially in the large machines where the process is continuous and where they are never empty. To overcome this difficulty it was necessary to employ some disinfectant that would efficiently disinfect an incubator after the removal of a hatch and yet do no harm to the remaining eggs. It was found that formaldehyde met these conditions and in 1926 we[4] published the result of some experimental work along these lines. An incubator was disinfected eight times during hatching on one occasion and six times on another without doing any harm to the eggs. The work was controlled by non-disinfected eggs and by exposing pieces of shell infected with *S. pullora* to the action of the gas. Formalin and potassium permanganate were used to generate formaldehyde. The method has since been tried by several hatcherymen who report favourable results, but as such work was not controlled no further reference to it will be made.

Since the publication of our first article on this subject we have seen a report by Pernot[5] in 1908 dealing with this method of disinfection. Pernot employed sixteen ounces of formalin to six and one-half ounces of potassium permanganate per 1,000 cubic feet. The incubators were disinfected once only. The hatch in some cases turned out very poorly and in others fairly well. No control eggs appear to have been employed.

Coon[6] in 1927 reported on the use of a variation of this method with an incubator of the forced-draft type, 13 feet long, 10 feet wide and 8 feet high. This was satisfactorily disinfected with formaldehyde five times during hatching without apparent harm to the hatch. Five hundred c.c. of formalin sprayed into the machine in normal working condition gave satisfactory results when the machine was not disturbed for 1½ hours after the formalin was introduced. Disinfection was checked by exposing pieces of infected shell in the incubator. It was not found necessary to seal the doors or intake and exhaust openings to prevent the escape of gas.

The next controlled experiment we made was an attempt to produce the disease in one incubator and to prevent it in another by disinfection. Artificial infection was resorted to as naturally infected chicks were not available at the time. The eggs were from tested stock.

Disinfection of Artificially Infected Incubators.—Two small, still-air machines were started and 72 eggs from tested birds were set in each. After the removal of infertiles and dead germs the eggs were transferred so that there were 41 fertile eggs left in No. 1 incubator and 42 in No. 2. A second lot of 54 eggs were

set ten days later in the same incubators. After the removal of infertiles and dead germs some eggs were transferred so that 39 remained in each incubator. On the eighteenth day the water pans were removed and cloth trays inserted in the nursery compartments. Rolled oats were lightly scattered on these trays which were then heavily sprayed with a combination of broth culture and saline suspensions of agar cultures of recently isolated *S. pullora*. Both incubators were treated alike. No. 1 was disinfected the same day by the use of formaldehyde. It was approximately 4 cubic feet in size. Formalin and potassium permanganate were used in the same ratio as in the previous experiments, namely, 1.65 c.c. formalin and 0.55 grammes potassium permanganate per cubic foot. The incubator was closed for one hour. A piece of infected shell was exposed as a control. Growth occurred from this the following day, showing that disinfection had not been complete. The process was repeated for one hour with the same quantities but again growth occurred from the control shell. The incubator was old and it appeared to be impossible to prevent the escape of formaldehyde.

The chicks commenced to hatch on the twentieth day. Seven eggs from each incubator failed to hatch. They were removed to improvised brooders on the twenty-second day. Two days later the first chick died in the disinfected lot, closely followed by others in both hatches. All were dead seventeen days after being placed in the brooders. *S. pullora* was recovered from all except six.

The second settings of eggs were treated like the first. Both incubators were again infected with cultures and also suspensions of the organs of dead chicks eighteen days after the eggs had been set. No. 2 was disinfected with 10 c.c. formalin and 3 grammes potassium permanganate and was allowed to remain closed for two hours. Infected shell exposed in the incubator remained sterile. Disinfection was therefore considered to have been satisfactory. Five eggs in No. 2 failed to hatch and nine in No. 1, showing that the action of the formaldehyde had not lowered the hatchability. They were removed to disinfected brooders and treated in the same manner as the preceding hatch. Both lots of chicks remained well for six days. Then one chick in No. 1 incubator died and was shown to be infected with *S. pullora*. Two more died in the same lot the next day and on examination were also shown to be infected. A very sudden change in weather conditions at this time caused a drop of temperature in the improvised brooders and next day the chicks in both lots were found huddled together and commenced to die very rapidly. All were examined bacteriologically and *S. pullora* was recovered from three more in the non-disinfected group, but in none from the disinfected incubator.

The difficulty of producing infection artificially at times has been remarked upon in a previous paper.[7] The results from this experiment are rather inconclusive. With the first group of eggs the control shell gave growth, showing that the incubator had not been sterilized. Both lots of chicks died of *S. pullora* infection. With the second hatch the incubator was satisfactorily disinfected as shown by the absence of growth from the pieces of control shell. *S. pullora* was not recovered from any of the thirty-four chicks from this incubator, though all died due to chilling. An unsatisfactory feature, however, was the recovery of *S. pullora* from only six of the thirty chicks that hatched in the untreated incubator.

Summary.—Hatchability was not lowered by exposure to formaldehyde.

S. pullora was not isolated from any of the chicks in the properly disinfected incubator but from six chicks in the control incubator. In view of the small number of control chicks infected, this result must be considered as inconclusive.

Insufficient exposure of the incubator to formaldehyde (control shell not sterilized) caused the chicks to become infected with *S. pullora*.

The uncertainty of producing infection at will was emphasized by the small number of control chicks from which *S. pullora* was isolated in the second series.

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SUBACUTE INFECTIONS IN FOWL DUE TO *PASTEURELLA AVICIDA*

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Pasteurella avicida, like other members of the hemorrhagic septicemia group, differs widely in virulence, producing conditions varying from a very acute and rapidly fatal septicemia to localized infections in joints and organs. The organism it is reported can also be recovered from the nasal mucosa of normal fowl. It is probable that the resistance of the host also plays a part in modifying the condition produced. This paper embodies some observations on this organism and the results of some experimental work with certain strains.

Lesions Produced by P. Avicida.—The difference in the type of lesion produced was well shown in connection with an outbreak of fowl cholera on which a note[1] was published in 1924. During the early spring of 1923 a flock of 1,700 birds developed a severe outbreak of cholera, which had apparently been transmitted to them by some ducks on the premises. Symptoms and post-mortem findings were typical of acute fowl cholera. The birds in most cases were found dead without their having shown any symptoms. This was confirmed by bacteriological examination. The majority of the ducks had the disease in a chronic form and became very emaciated and lame. The leg and wing joints were swollen and contained a cheesy exudate swarming with *P. avicida*. Sanitary measures made an immediate reduction in losses and at the onset of good weather, when the birds were allowed out, the disease stopped as suddenly as it had commenced. The following year, about the same time, the owner notified us that he had another outbreak of disease which he considered to be different to the previous one and in which the birds lived for a few days showing symptoms of illness. Investigation showed that these birds were also affected with cholera. In this case the disease manifested itself as a peritonitis with the formation of masses of cheesy exudate. In our experience this has been the most common form of the disease, although many peracute outbreaks and some subacute ones have been observed. Losses were slight and the outbreak was soon over. A year later a

number of birds developed edema of the wattles which on bacteriological examination was shown to be due to *P. avicida*. There were no losses nor did the infection manifest itself in other than this localized form.

In 1923 Schofield and Gwatkin[2] published a note on wryneck in a barred rock hen due to *P. avicida*. This bird came from a farm a few weeks after there had been an outbreak of cholera. The head was retracted so that it lay between the shoulders. Efforts to eat and drink were ineffectual. On autopsy a small quantity of pus was found between the arachnoid and the dura mater in the region of the cerebellum. Microscopic examination showed small gram negative, bipolar organisms. *P. avicida* was isolated. This strain was compared with that isolated from the earlier outbreaks in the flock and was found to be culturally identical.

In November, 1927, we had the opportunity of examining some birds which were showing symptoms of roup and also three birds in the same flock that were affected with wryneck. *P. avicida* was isolated from the brains of all three birds and also from the exudate in the eyes. A few weeks later a number of cases of edema of the wattles developed and further cases of wryneck. There was no history of an outbreak of cholera in this flock, but as this organism is reported to be isolated from normal birds at times the trouble may have been due to carriers.

In geese we have mostly found that the disease runs a very acute course, although in a few instances it has been of the subacute type with development of peritonitis. There is usually a history of sudden death and poisoning is often suspected.

Sporadic cases of peritonitis may evidently be caused by this organism. It is recognized, of course, that peritonitis is one of the commonest forms in which the infection appears in outbreaks of cholera, but individual cases in flocks also occur. In an examination of 60 cases of peritonitis we recovered *P. avicida* in pure culture from 13 (21⅔ per cent.). *S. pullora* was recovered from eight, and members of the colon group and cocci from the remainder. No streptococci were observed.

Roup.—In 1924, Weaver and Mitchell[3] reported on the constant occurrence in cases of roup of a member of the bipolar group. When injected into the submucosa of the eyelid it produced a disease indistinguishable from roup. Weaver[4] added a further paper in 1927 confirming these results and demonstrated the condition at the time the paper was presented. In some experimental work we[5] carried out in 1923-24 we recovered *P. avicida* from 13 out of 34 birds (about 38¼ per cent.). Whether inoculation of rabbits as practised by Weaver would have shown the organism to be present in more, or in all cases, we do not know, as isolation was attempted by means of cultures only. A few birds were examined by us during 1927-28 and the details of these are given under their laboratory numbers. With the exception of No. 3826 they were typical cases of nasal catarrah as distinguished from the virus infection.

No. 3010.—One bird only was affected. Swelling in sub-orbital fossa of one eye. Microscopic examination showed the presence of many gram negative rods and some gram positive cocci. Cultures were made on serum-agar and some of the material was injected into the abdominal cavity of a rabbit. The rabbit died four days later and *P. avicida* was recovered from the heart in pure culture. This was injected into the conjunctival tissue of a young capon. The eye remained normal.

No. 3048.—Several birds were affected. One was sent in for autopsy. It was heavily infested with roundworms and had an inflammation of the trachea and a heavy nasal discharge. Gram negative rods and gram positive cocci were seen microscopically. Rabbits were injected with material from the nose and trachea. The trachea rabbit died the next day and the nose rabbit on the second day. *P. avicida* was recovered from the hearts of both rabbits. The cultures were injected into the conjunctiva of two young birds without producing any reaction.

No. 3826.—Difficulty in breathing, roupiness, swelling under one eye. Some blood in trachea. Injected a rabbit and made cultures. *P. avicida* and a diphtheroid were isolated. These were injected as previously in young birds. The bipolar organism produced an intense inflammation of the tissues of the region while the diphtheroid produced no reaction. The bird eventually recovered after having been very ill for more than a week. The wattle on the injected side remained enlarged.

No. 3849.—Three barred rock pullets were received and were found to be heavily infested with tapeworms. One had a roupy swelling under one eye. The swelling was opened and cultures were made from the exudate and a rabbit was also injected. *P. avicida* and *E. coli* were recovered on culture. The rabbit remained in good health. The culture of *P. avicida* was injected into the conjunctiva of a cockerel and gave rise to an intense and painful swelling of that side of the face. This bird developed brain symptoms and eventually died.

No. 3993.—Two silver Sebright bantams. Swelling under one eye of each. Gram negative rods and gram positive cocci seen microscopically. Cultures were made and two rabbits were injected. One rabbit died four days and the other twenty days later. *P. avicida* and an unidentified gram positive coccus were recovered from one and the bipolar organism in pure culture from the other. These cultures could not be tried out on birds as none were available at that time.

Weaver Cultures.—Through the kindness of Dr. Weaver of the Health of Animals Branch, Ottawa, we were able to examine cultures that he had isolated. The first culture (*a*) was injected into the conjunctival tissue of the right eye of two white leghorn cockerels and produced no reaction. Two barred rock males were then similarly injected with the same culture. When examined fifteen hours later there was intense inflammation of the surrounding tissues in both birds. The wattle on the injected side and all the tissues of the face were swollen, hot and painful. There was high temperature and great depression and both birds appeared very ill. About a week after the injection one developed wryneck and would have spasms in which it would turn over and over backwards in its cage. It was killed and the organism was recovered from the brain in pure culture. The second bird developed the same condition several weeks later though in a less severe form. It was killed forty days after the injection. Cultures from the brain were negative. The wattles contained a firm, cheesy exudate and from this the organism was recovered in pure culture. Two other cultures, b and c were examined with regard to carbohydrate fermentation only.

None of the cultures employed could be said to have produced typical roup in our hands, the condition being of a more intense nature like that found in edema of the wattles and face. There was no nasal discharge and no localized sub-orbital swelling. However, the method, location of injection and the size of the dose must be taken into consideration. Cultures swabbed into the eye

did not produce lesions in any case. It is not difficult to appreciate that under different conditions the organism would act in a different manner, as is shown by the flocks that have been referred to earlier in this paper.

Reactions of Cultures in Carbohydrates.—The Weaver cultures and those isolated by ourselves were planted in extract broth and in horse serum-water containing one per cent. of Andrade's indicator and one per cent. of lactose, dextrose, maltose, mannose, saccharose and salicin. The results are given in Table 7.

TABLE 7

No.	Dextrose	Mannose	Lactose	Maltose	Saccharose	Salicin
Weaver A	+	+	+	+	+	—
" B	+	+	—	—	+	—
" C	+	+	—	—	+	—
3010	+	+	—	—	+	—
3048 Trachea	+	+	—	—	+	—
" Nose	+	+	—	—	+	—
3826	+	+	—	+	+	—
3849	+	+	—	+	+	—
3993 A	+	+	—	—	+	—
" B	+	+	—	+	+	—
Control	+	+	—	—	+	—

+ = Acid. — = No. acid.

No strains produced gas. The first Weaver culture (A) produced acid in all except Salicin. It was replated and tested for purity several times and always gave the same result. The other two were typical. Three of our seven strains produced acid in maltose. We have found the same fermentation differences in strains of *P. avicida* from typical outbreaks of cholera and also in bovine strains of this group. We have isolated several calf strains of *P. boviseptica* that have produced acid in lactose and maltose.

Summary.—*Pasteurella avicida* varies widely in virulence, which combined with the varying resistance of the host results in conditions that range from acute cholera to localized infections of joints and organs in the same flock. Several cases of wryneck were shown to be due to *P. avicida* and this condition was reproduced artificially by the injection into the submocosa of the eyelid of strains from roupy eyes. *P. avicida* was recovered in pure culture from 13 out of 60 sporadic cases of peritonitis (21⅔ per cent.).

Ten strains of *P. avicida* from cases of roup were examined. Three of the six strains injected into the submucosa of the eyelid of fowl produced a violent inflammation with intense swelling of the face and eye and also a generalized condition with the development of wryneck in three of four injected birds. The organism was recovered from the brain of two of these fowl. The condition produced was more severe than is encountered in roup and there was absence of any discharge but this may have been due to the method and location of the injection and the size of the dose.

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VERMICIDAL ACTION OF IODINE AND KAMALA

Ronald Gwatkin, D.V.Sc.

A few birds have been treated as opportunity offered with a commercial iodine preparation and powdered Kamala. The former was given as directed in one ounce doses directly into the gizzard by means of a No. 8 catheter and an infant enema syringe. The latter was administered in a one gramme dose in capsules. In practically every instance the birds were fasting when the drug was administered. They were kept in wire bottom cages and the droppings, except in the two instances noted, were regularly examined macroscopically and microscopically for the presence of parasites. Post-mortem examinations were made in from 24 hours to several days after treatment and a careful examination was made of the intestines. Forty birds in all were examined. Sixteen of these had no worms in the intestine on autopsy and none were found in their trays. I am indebted to Mr. A. A. Kingscote for assistance with this work.

Iodine

No. 1.—Plymouth rock female. Five months old. Nothing observed in droppings. Killed one week after treatment. Heavy infestation of minute tapeworms (*Davainea*).

No. 2.—R.I.R. female. Nothing in droppings. Killed two days after treatment. Heavy infestation of minute living tapeworms and some capillaria.

No. 3.—R.I.R. female. Nothing in droppings. Killed 24 hours later. Living roundworms in small intestine.

No. 4.—White leghorn female. Very weak when treated. Died six hours after treatment. No worms were passed but the last few inches of the small intestine were filled with a mass of roundworms and tapeworms which were evidently being expelled.

No. 5.—White leghorn female. Five months old. Passed three roundworms. Killed 48 hours after treatment. No worms in intestine.

No. 6.—R.I.R. female. Nothing in droppings. Killed 48 hours after treatment. Heavily infested with minute living tapeworms.

No. 7.—Plymouth Rock Capon. Nothing in droppings. Killed 48 hours after treatment. A few minute living tapeworms in the intestine.

No. 8.—White leghorn female. Nothing in droppings. Killed 24 hours after treatment. Living capillaria in intestine.

No. 9.—White leghorn female. Nothing passed. Killed 24 hours after treatment. A few capillaria in the intestine.

No. 10.—White leghorn female. Nothing in droppings. Killed 36 hours after treatment. Heavy infestation of minute living tapeworms.

No. 11.—White leghorn female. Nothing in droppings. Killed 36 hours after treatment. Some capillaria in intestine.

No. 12.—White leghorn female. Nothing in droppings. Killed 24 hours after treatment. Heavy infestation of minute tapeworms and some roundworms. All were living.

No. 13.—White leghorn female. No worms in droppings. Killed 24 hours after treatment. Living ascaridia and capillaria in intestine.

No. 14.—White leghorn female. Nothing in droppings. Killed 24 hours after treatment. Heavy infestation of living minute tapeworms.

No. 15.—Barred rock female, seven months old. Killed 92 hours after treatment. Droppings not examined. Heavy infestation of living minute tapeworms.

No. 16.—Barred rock female, seven months old. Killed 92 hours after treatment. Droppings not examined. Heavy infestation of large tapeworms.

In addition to the above, seven birds were treated and nothing was found in the droppings nor in the intestine on post-mortem examination.

Kamala

No. 1.—Plymouth rock female. No worms passed. Killed 24 hours after treatment. A few living roundworms in intestine. No tapeworms.

No. 2.—Plymouth rock female. Died 24 hours after treatment. Very doubtful if the kamala could have reached the intestine owing to impacted condition of crop and stomach. Living tapeworms in intestine.

No. 3.—Plymouth rock cockerel. Passed several tapeworms. Killed 48 hours after treatment. No worms in intestine.

No. 4.—White leghorn cockerel. Segments and whole tapeworms passed. Killed 48 hours after treatment. No worms in intestine.

No. 5.—Plymouth rock female. A few segments in droppings. Killed six days after treatment. Intestine full of minute living tapeworms.

No. 6.—White wyandotte. Nothing in droppings. Killed 24 hours after treatment. Heavy infestation of living tapeworms and roundworms.

No. 7.—Plymouth rock female. Killed 24 hours after treatment. Many large tapeworms passed. None in the intestine on autopsy.

No. 8.—Plymouth rock female. Passed masses of large tapeworms. Killed 24 hours after treatment. No worms in intestine.

In addition to the above, nine birds were treated. No parasites were observed in the droppings nor in the intestines on post-mortem examination.

Summary.—Sixteen birds infested with roundworms or tapeworms were treated with one ounce of a commercial iodine preparation. Worms were expelled from two of this number. The remaining birds were shown to be all more or less heavily infested with living worms on post-mortem examination.

Eight infested birds were treated with one gramme of powdered kamala. Of these one had roundworms which were not killed by the drug Another died 24 hours after treatment. The intestine was full of living tapeworms, but owing to the condition in the crop it is doubtful if the kamala reached them. Two of the remaining six were found to be infested with living tapeworms on autopsy and the other four were entirely free.

The number of examinations was small and these results are given for what they are worth. They do, however, indicate that the efficiency of the agents employed was not very high in this group of birds and point to the need for prevention rather than treatment.

INFECTIOUS TRACHEITIS

Ronald Gwatkin, D.V.Sc.

In work previously published,[1, 2] the writer found the virus of chicken-pox in the bloody exudate in cases of infectious tracheitis and considered it to be the causative agent. Beach[3] states that chicken-pox virus is sometimes present in the larynx and trachea of affected birds, but that the importance of the virus is not determined in the etiology of the disease. The Missouri State Poultry Experiment Station[4] consider the condition due to a series of non-specific causes. May and Tittsler[5] were successful in reproducing the condition but do not enter into its etiology. Hinshaw[6] reports that in the more chronic types avian diphtheria was always present.

We have since had the opportunity of examining birds from further outbreaks, and of carrying out a few experiments in connection with artificial transmission of the infection, particulars of which are given in this paper.

No. 2462.—An outbreak of typical tracheitis occurred in a pen of about 100 birds. All the first cases that died had blood and bloody exudate in the trachea, and death was due to asphyxiation. Later cases showed only the lesions of typical avian diphtheria, death occurring from asphyxiation due to plugging of the larynx or syrinx with a cheesy mass of exudate. The respiratory organs of one of the first birds, a typical case of tracheitis, were soaked in 25 c.c. of salt solution overnight. All but a few c.c. was filtered through a V Berkefeld candle. The filtrate was rubbed into the larynx and scarified into the comb of a barred rock pullet and a white leghorn cockerel. The unfiltered material was employed in the same manner on a white leghorn cockerel. Scab appeared on the fourth day on the comb of the bird receiving the unfiltered material. No lesions developed in the larynx. No lesions developed in the birds receiving filtrate. They were tested with virulent scab by scarification of the comb. Lesions developed on the hen which had received filtrate in the comb, but not on the filtrate cockerel which proved to be insusceptible. This experiment showed that virus was present in the bloody exudate and that it was held back by filtration.

No. 2577.—An outbreak of tracheitis occurred in a flock of sixty birds. Three dead birds were brought to us for examination. Autopsy showed that there was blood and bloody exudate in the trachea and that death had been due to asphyxiation in each case. The affected organs of one bird were soaked in salt solution in the ice chest. The suspension was held for three days as birds for experimentation were not available at that time. A portion was then filtered through a V Berkefeld candle. The unfiltered material and the filtrate were each rubbed into the larynx of a barred rock cockerel and the birds were placed in separate cages. Both developed yellow patches of exudate in and surrounding the larynx. The condition was more marked in the bird that received the unfiltered material. Within a week the lesions cleared up and the birds appeared normal. Three weeks after the material had been rubbed into the larynx both birds were tested with virulent, powdered scab and both developed well-marked comb lesions. The results in this case are rather indefinite. Lesions resembling those of avian diphtheria developed from the introduction of the bloody exudate into the trachea, but they were slight and did not appear to have afforded any protection against subsequent inoculation with virus on the comb.

No. 3167.—A barred rock female with typical tracheitis. The bloody exudate from the trachea was applied with a swab, without scarification, to the larynx and trachea of two young capons. Five days later one bird showed great dejection, dyspnoea, lachrymation and swelling of the eyelids. It died the following day. On autopsy a mass of yellow exudate was found in the larynx, and the syrinx was filled with a gray exudate. Death was due to asphyxiation. The second bird at this time also showed difficulty in breathing, although not so pronounced. It was later killed and the trachea was found to be full of a pinkish-gray exudate. The larynx of the first bird was ground up and swabbed into the larynx of a cockerel and also scarified into the comb of another bird. The larynx bird developed typical avian diphtheria, showing swelling of the region of the eye, lachrymation and dyspnoea. It died seven days after inoculation and on post-mortem examination was found to have a mass of cheesy exudate in the larynx and a completely plugged syrinx. This material was swabbed into the larynx of another bird but failed to produce lesions. No scabs developed on the comb of the bird which had been scarified with larynx material. Both the last two birds were tested for susceptibility by the scarification into the comb of virulent scab. The day this was done was the sixteenth day after the comb bird had been inoculated and the ninth day after the larynx bird had been swabbed with infectious material. The comb bird developed only a very few scattered lesions, which rapidly dried up and disappeared. The larynx bird developed a heavy crop of scab. At the same time lesions appeared on the tongue and in the throat. These may have been due to delayed action of the infecting material or to the test virus that was scarified into the comb, as we have previously shown that lesions may develop in the mouth and larynx from comb inoculation and vice-versa. The lesions produced leave no doubt, however, that chicken-pox virus was present in the larynx of the original bird.

No. 3776.—A pullet with typical lesions of tracheitis. The larynx and trachea were soaked overnight in the ice chest with a few c.c. of salt solution. The suspension was then scarified into the comb and also swabbed into the larynx and trachea of two barred rock pullets. No lesions of any kind developed in these birds. They were scarified on the comb a month later with virulent scab but no lesions appeared, showing that they were insusceptible to chicken-pox virus. While this experiment is not of value from the standpoint of determining the presence or absence of virus, it is of significance in that no lesions of any kind developed in these birds that were immune to chicken-pox.

Filtration of Chicken-pox Virus.—In view of the results of filtration in No. 2462, an experiment was tried with a suspension of scab alone and mixed with blood. One-tenth of a gramme of dry powdered scab was ground up with 2 c.c. of salt solution and to this was added 2 c.c of 5 per cent sodium citrate and some blood. The resulting mixture was a sticky material such as is found in the trachea in affected birds. This material was scarified into the comb of cockerel A. One-tenth of a gramme of scab was ground up with 4 c.c. of salt solution and then diluted by the addition of 20 c.c. saline. This was scarified into the comb of cockerel B. The blood mixture was similarly diluted and both were filtered through V Berkefeld candles. The filtrate from the blood mixture was scarified into the comb of cockerel C and the other filtrate into the comb of cockerel D. Both A and B developed a heavy growth of scab. No lesions developed on C and D. These birds were later tested and developed a good growth of scab, showing that they were susceptible. The virus in the blood mixture and in the suspension of scab thus failed to pass the filter. We have observed the same thing on other occasions when filtering suspensions of scab.

Summary.—In three out of four cases of infectious tracheitis chicken-pox virus was present. The lesions produced in experimental birds were those of typical diphtheria and chicken-pox, although in one case they were slight. We were unable in these and other efforts to reproduce the bloody exudate. In the fourth case no lesions developed and the experimental birds were later shown to be insusceptible to virus. In one case the virus did not pass a V Berkefeld candle. The same candles also held back the virus in a suspension of known virulent scabs alone and mixed with blood. In another case the virus did successfully pass the same candles.

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A METHOD OF COUNTING WHITE CELLS IN THE BLOOD OF FOWL

This method was worked out by Dr. Ida Coates while with the Division of Medical Research of the University of Toronto. Dr. Coates has kindly suggested that it be published in this report as it may save some other worker a considerable amount of tedious work, since she was unable to find any account of blood counting methods, except indirect ones.

At first, various dilutions of Wright's stain and Wright's watery gentian violet were employed for counting, but these could only be used with a high-powered lens. This method is a modification of that used for counting blood platelets in humans.

Two solutions are employed. These are as follow:

(a)	Brilliant cresyl blue	1.0 gramme
	Distilled water	300.0 c.c.
(b)	Potassium cyanide	1.0 gramme
	Distilled water	1,400.0 c.c.

Solution A should be kept on ice to prevent growth of yeasts. Equal parts of A and B are mixed freshly in an evaporating dish immediately before using. The rest of the procedure is exactly that of an ordinary white cell count. The blood should be drawn into the pipette quickly from a freely flowing drop of blood as fowl blood clots very rapidly.

When the light is cut down the leucocytes show up very clearly because they refract the light differently from the erythrocytes in the counting chamber. The method gives uniform results and the findings have been consistent with what was expected from the blood smears.

EIGHTH

ANNUAL REPORT

OF THE

MINIMUM WAGE BOARD

1928

Sessional Paper No. 40, 1929

PRINTED BY ORDER OF

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ONTARIO

TORONTO:
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1929

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Toronto, February 22nd, 1929.

To His Honour William D. Ross, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Eighth Annual Report of the Minimum Wage of Ontario for the year 1928.

Respectfully submitted,

Forbes Godfrey,
Minister of Health and Labour.

Toronto, February 22nd, 1929.

The Honourable Forbes Godfrey, M.D.,
Minister of Labour,
Parliament Buildings, Toronto.

Sir:—I have the honour to submit herewith the Eighth Annual Report of the Minimum Wage Board.

I have the honour to be,

Sir,

Your obedient servant,

J. W. Macmillan,
Chairman.

ANNUAL REPORT

MINIMUM WAGE BOARD, 1928

This Board has now been in existence eight years and believes that it has succeeded in building a wall of protection about the working-women of the Province.

It has succeeded because it has aimed to confirm and defend the standards which had been set by the industries and the public opinion of the community. It found the conviction that a business should support its working force already ingrained in the social conscience. A report that a firm paid starvation wages was enough to drive off customers. No employer would admit that the wages he paid were below the line of subsistence. One of the first employers whom the Board met in consultation said "We don't want to pay our women less than they can live upon." Since then, in many conferences with employers, this sentiment has been repeated.

The task of the Board has consisted in mobilizing and enforcing this prevailing sentiment. Had its object been to raise the general level of wages among women it doubtless would not have received the same ready co-operation from employers or approval from the general public. Its work would have appeared as a disturbing factor in business, rather than one making for harmony, peace and prosperity.

It might seem, where such universal agreement existed, that there was no work for the Board to do. But it is one thing to admit a standard and quite another to uniformly and constantly observe it. The Board's investigations immediately revealed the fact that many exceptions occurred, so that considerable numbers of women were not receiving wages sufficient for their support.

Very little is generally known, in any accurate fashion, as to wage-rates and wage-payments. It is not the custom of businesses to publish their wage-lists or for employers' associations to confer respecting this item of cost. The information that is gathered and compiled by government bureaus of statistics and students of economic conditions deals with averages and totals of wages, so that variations and exceptions are quite obscured. The usual discussions of wages regard wages in bulk, so that we constantly hear of wages paid in some trade or in some place, without regard to the differences within the trade or the place. Such general information is of value for certain purposes, but is not particular enough. It is only by studying the wages of individual firms and of individual workers that one can know whether or not these accepted standards are being consistently observed.

The Minimum Wage Board has made and continues to make such investigations. It finds many aberrations from prevailing standards. These aberrations are of three kinds. First, there is the "shyster" employer. He wants to sell his products to the workers in other plants, while these other plants can sell little or none to his workers. He wants other industries to support his, as other members of the families to which his workers belong carry the burden of their homes. He is a parasite in the industrial organism, and should be compelled to play fair

with his neighbors and competitors. Second, there is the inefficient employer. He is generally without much capital or business experience. His venture is often short-lived and ends in disaster. His most desperate efforts are directed towards lowering wage-cost, without assessing the relation between wages and production. There is a constant succession of these employers, for as one goes down another leaps into his place. One happy effect of minimum wage administration often is to improve this man's management of his business, so that he has a better chance to succeed. Third, there are the wages which are inadvertently low. Especially in the large establishments, individuals and groups of workers are overlooked. Some foreman or accountant is negligent, or the piece-rates for some operation are set unduly low, or some other blind spot occurs, and the wages drop below the intended level. In such cases the management is frequently grateful to have these things pointed out.

Cost of Living Budget

The budget for an independent working woman in Toronto, as revised in October, 1928, representing the lowest wage upon which she can support herself, is as follows:

Item	October 1928	Cost per year
Board and lodging at $7.00 per week		$364 00
Clothing:		
Footwear and repairs, 3 pairs $5.00, $4.00, $4.00; bedroom slippers, $1.25, rubbers or goloshes $3.00, repairs $2.00	$19 25	
Stockings	10 00	
Underwear	8 50	
Nightgowns	4 00	
Costume slips and bloomers	5 00	
Corsets and brassieres	5 50	
Kimona (two years)	1 00	
Hats	11 00	
Suit (half cost to wear two years) or skirt (one year, $5.00) and light coat (two years, $12.50)	11 25	
Winter coat to wear two years	8 25	
Winter dresses	10 00	
Summer dresses, two or three	12 00	
Shirt waists	8 50	
Sweater (two years)	2 00	
Aprons	2 50	
Handkerchiefs	2 00	
Gloves	4 00	
Scarf	1 00	
Umbrella, to last two years	1 25	
Total expense for clothing		$127 00
Forward		$491 00
Sundries:		
Laundries	$39 00	
Doctor, dentist, optician	20 00	
Carfare	39 00	
Reading matter	6 00	
Postage and stationery	5 00	
Recreation and amusement	23 00	
Church and charity	10 00	
Incidentals, including tooth brush, comb, soap, tooth paste, talcum powder, nail file, shoe polish, hand lotion, pins, needles, thread, whisk, shoe laces, etc	20 00	
Total expenses for sundries		$162 00
Total expenses for year		$653 00

Board and lodging per week	$7 00	
Clothing per week	2 44	
Sundries per week	3 06	
Total per week		$12 50

COMPARATIVE STATISTICS

The Board collects each year reports of wages and hours. During the first years of its operations it was able to include in this statement the returns of each successive year. Now, however, with eight years of activity behind us, we are forced to be content with less exhaustive statistics. It seems best to make the comparison between the first collection of returns and the latest. The two columns thus show, with two exceptions, wages and hours before the order went into force in contrast with the year 1928. The two exceptions are in the Food and Paper trades, each of which was subjected to a reclassification in 1925, which made it impracticable to exhibit such a contrast. Orders 34 (Food) and 39 (Paper) therefore show the two years 1926 and 1928. In these two cases there is no contrast between "before and after taking."

The report as to married women now includes all, and not, as formerly, only those under fifty years of age. Thus these percentages show a general increase.

Order No. 31

This order deals with laundries, dye-works and dry-cleaning establishments. It incorporates and supersedes Orders 1, 4 and 5.

In the City of Toronto:

	1921	1928
Number of firms reporting	33	49
Total number of female employees	706	1,445
Over 18 years	638	1,315
Under 18 years	68	130
Total Weekly Wages	$8,888 94	$19,797 83
Over 18 years	8,253 94	18,424 51
Under 18 years	635 00	1,373 32
Average Weekly Wage	12 59	13 70
Over 18 years	12 93	14 09
Under 18 years	9 33	10 56
Percentage of young girls under 18 years	9.6	8.9
Percentage of married women	....	29.4
Average hours worked per week	44.8	45.2

Weekly rate of wages:	1921	1928
Under $7 00	1	....
7– 8	1	....
8– 9	8	...
9–10	33	41
10–11	65	110
11–12	72	94
12–13	168	593
13–14	106	202
14–15	89	137
15–16	68	97
16–18	51	69
18–20	20	35
20–22	16	31
22–up	8	36
Total	706	1,445

In cities of more than 30,000 population, excepting Toronto:

	1921	1928
Number of firms reporting	26	45
Total number of female employees	412	546
Over 18 years	359	491
Under 18 years	53	55
Total weekly wages	$4,825 40	$7,443 78
Over 18 years	4,322 60	6,927 53
Under 18 years	502 80	531 00
Average weekly wages	$11 71	$13 63
Over 18 years	12 04	14 10
Under 18 years	9 48	9 66
Percentage of young girls under 18	12.8	10.
Percentage of married women	.....	30.2
Average hours worked per week	47.2	45.5

Weekly rate of wages:	1921	1928
Under $7 00	7	....
7– 8	13	16
8– 9	47	11
9–10	50	2
10–11	54	38
11–12	46	17
12–13	56	256
13–14	43	63
14–15	24	44
15–16	30	32
16–18	14	18
18–20	16	14
20–22	4	21
22–up	8	14
Total	412	546

In places having less than 30,000 population:

	1921	1928
Number of firms reporting	33	61
Total number of female employees	317	577
Over 18 years	228	491
Under 18 years	89	86
Total weekly wages	$3,395 56	$6,737 54
Over 18 years	2,594 96	5,992 03
Under 18 years	800 60	745 51
Average weekly wages	10 71	11 67
Over 18 years	11 38	12 20
Under 18 years	8 99	8 67
Percentage of young girls under 18	28 07	14.9
Percentage of married women	....	27.9
Average hours worked per week	50.6	50.

Weekly rate of wages	1921	1928
Under $7 00	6	1
7– 8	20	22
8– 9	70	17
9–10	39	81
10–11	39	80
11–12	32	137
12–13	48	110
13–14	22	25
14–15	14	22
15–16	15	40
16–18	4	18
18–20	2	10
20–22	6	9
22–up	....	5
Total	317	577

Orders Nos. 3, 6, 10, 29

Retail Stores

These govern saleswomen in retail stores. The following tables give particulars for a number of typical stores, the same stores, on the whole, having been taken throughout the years compared. It is a practical impossibility to gather returns from all the retail stores, so the endeavour is made to present a picture which may be taken as representing generally the several parts of the Province.

Order No. 3

Retail Stores in Toronto:

	1921	1928
Number of firms reporting	13	23
Total number of female employees	391	549
Over 18 years	349	479
Under 18 years	42	70
Total weekly wages	$5,179.50	$8,926 50
Over 18 years	4,693 50	8,088 00
Under 18 years	486 00	838 50
Average weekly wages	13 25	16 26
Over 18 years	13 44	16 88
Under 18 years	11 57	11 98
Percentage of young girls under 18 years	10.7	12.7
Percentage of married women	.....	15.5
Average hours worked per week	49	49.1

Weekly rate of wages:	1921	1928
Under $7 00	4	....
7– 8	9	....
8– 9	...	....
9–10	9	3
10–11	15	8
11–12	46	23
12–13	109	105
13–14	53	50
14–15	46	63
15–16	35	63
16–18	30	68
18–20	14	53
20–22	10	35
22–up	11	78
Total	391	549

Order No. 6

Retail Stores in cities of 30,000 or over, excepting Toronto:

	1921	1928
Number of firms reporting	26	23
Total number of female employees	1,123	1,228
Over 18 years	930	1,164
Under 18 years	193	64
Total weekly wage	$14,045.00	$18,453 67
Over 18 years	12,325 50	17,826 17
Under 18 years	1,619 50	627 50
Average weekly wages	12 50	15 08
Over 18 years	13 25	15 31
Under 18 years	8 39	9 80
Percentage of young girls under 18	17.1	5.2
Percentage of married women	.....	15.6
Average hours worked per week	48.	48.

Weekly rate of wages:	1921	1928
Under $7 00	37	....
7– 8	31	....
8– 9	127	20
9–10	78	16
10–11	185	53
11–12	77	40
12–13	188	377
13–14	67	95
14–15	65	100
15–16	115	226
16–18	49	93
18–20	34	64
20–22	29	47
22–up	41	97
Total	1,123	1,228

Order No. 10

Retail stores in towns and cities from 5,000 to 30,000 population:

	1921	1928
Number of firms reporting	103	52
Total number of female employees	1,171	939
Over 18 years	1,052	852
Under 18 years	119	87
Total weekly wages	$14,695 36	$13,138 55
Over 18 years	13,876 36	12,260 55
Under 18 years	819 00	878 00
Average weekly wages	12 55	13 99
Over 18 years	13 19	14 39
Under 18 years	7 72	10.09
Percentage of young girls under 18	10.1	9.2
Percentage of married women	....	10.3
Average hours worked, per week	50.1	49.

Weekly rate of wages:	1921	1928
Under $7 00	63	....
7– 8	45	6
8– 9	74	16
9–10	107	56
10–11	166	106
11–12	73	149
12–13	171	157
13–14	38	53
14–15	54	71
15–16	127	99
16–18	83	60
18–20	47	61
20–22	57	35
22–up	66	70
Total	1,171	939

Retail stores in places under 5,000 population:

	1921	1928
Number of firms reporting	29	23
Total number of female employees	149	120
Over 18 years	140	109
Under 18 years	9	11
Total weekly wages	$ 1,772 65	$1,476 50
Over 18 years	1,693 15	1,380 50
Under 18 years	79 50	96 00
Average weekly wages	11 89	12 30
Over 18 years	12 09	12 67
Under 18 years	8 83	8 73
Percentage of young girls under 18	6.	9.1
Percentage of married women	....	1.7
Average hours worked per week	52.5	50.

Weekly rate of wages:	1921	1928
Under $7 00	11	1
7– 8	9	2
8– 9	10	5
9–10	12	39
10–11	28	11
11–12	2	9
12–13	22	15
13–14	4	4
14–15	4	6
15–16	11	8
16–18	3	5
18–20	7	4
20–22	8	3
22–up	8	8
Total	149	120

Order No. 29

This order governs departmental stores in Toronto having more than 150 employees. It covers saleswomen and the mail order employees, but not the restaurant or operative employees.

	1921	1928
Number of firms reporting	3	2
Total number of female employees	2,782	4,323
Over 18 years	2,376	3,908
Under 18 years	406	415
Total weekly wages	$38,580 50	$67,157 68
Over 18 years	34,648 50	63,928 50
Under 18 years	3,932 50	3,928 50
Average weekly wages	13 86	15 54
Over 18 years	14 58	16 17
Under 18 years	9 68	9 46
Percentage of young girls under 18	14.6	9.6
Percentage of married women	....	19.3
Average hours worked per week	47	47

Weekly rate of wages:	1921	1928
Under $7 00	....	....
7– 8	10	11
8– 9	178	200
9–10	171	209
10–11	101	127
11–12	71	94
12–13	309	287
13–14	324	499
14–15	393	512
15–16	398	580
16–18	428	767
18–20	181	420
20–22	111	263
22–up	107	354
Total	2,782	4,323

Orders Nos. 13, 14, 15, 16

The Textile Trades

These are the factories engaged in knitting, weaving and spinning operations.

Order No. 13

	1922	1928
Number of firms reporting	31	42
Total number of female employees	1,773	2,499
Over 18 years	1,482	2,259
Under 18 years	291	240
Total weekly wages	$23,757 45	$36,290 12
Over 18 years	20,817 13	33,681 76
Under 18 years	2,940 32	2,608 36
Average weekly wages	13 39	14 52
Over 18 years	14 04	14 91
Under 18 years	10 10	10 87
Percentage of young girls under 18	16.4	9.6
Percentage of married women	....	22.1
Average hours worked per week	45.5	45.7

Weekly rate of wages:	1922	1928
Under $7 00	10	1
7– 8	14	9
8– 9	20	51
9–10	55	87
10–11	131	193
11–12	161	163
12–13	262	402
13–14	184	327
14–15	198	240
15–16	178	225
16–18	255	308
18–20	200	297
20–22	74	134
22–up	31	62
Total	1,773	2,499

Order No. 14

Textile factories in cities of 30,000 population or over, excepting Toronto:

	1922	1928
Number of firms reporting	20	27
Total number of female employees	2,173	4,135
Over 18 years	1,555	3,544
Under 18 years	618	591
Total weekly wages	$26,788 24	$58,487 89
Over 18 years	20,547 52	51,763 39
Under 18 years	6,220 70	6,724 50
Average weekly wages	12 32	14 14
Over 18 years	13 21	14 61
Under 18 years	10 06	11 38
Percentage of young girls under 18	28.4	14.2
Percentage of married women	....	7.06
Average hours worked per week	48.1	48.8

Weekly rate of wages:	1922	1928
Under $7 00	30	....
7– 8	77	23
8– 9	156	90
9–10	194	179
10–11	284	341
11–12	215	428
12–13	293	826
13–14	216	464
14–15	202	350
15–16	189	331
16–18	180	451
18–20	89	299
20–22	28	184
22–up	20	169
Total	2,173	4,135

Order No. 15

Textile factories in cities and towns of from 5,000 to 30,000 population:

	1922	1928
Number of firms reporting	53	68
Total number of female employees	3,451	5,666
Over 18 years	2,540	4,532
Under 18 years	911	1,134
Total weekly wages	$41,539 16	$72,975 35
Over 18 years	33,557 54	61,266 60
Under 18 years	7,981 62	11,708 75
Average weekly wages	12 06	12 88
Over 18 years	13 21	13 52
Under 18 years	8 76	10 33
Percentage of young girls under 18 years	26.4	20.
Percentage of married women	....	17.1
Average hours worked per week	49.1	49.8

Weekly rate of wages:	1922	1928
Under $7 00	94	3
7– 8	168	138
8– 9	275	247
9–10	366	412
10–11	466	752
11–12	370	978
12–13	435	696
13–14	348	664
14–15	322	514
15–16	162	340
16–18	227	545
18–20	138	186
20–22	45	89
22–up	35	102
Total	3,451	5,666

Order No. 16

Textile factories in places having less than 5,000 urban population:

	1922	1928
Number of firms reporting	60	60
Total number of female employees	2,237	2,447
Over 18 years	1,813	2,063
Under 18 years	424	384
Total weekly wages	$24,982 02	$29,266 55
Over 18 years	21,622 79	25,873 70
Under 18 years	3,359 23	3,392 85
Average weekly wages	11 17	11 96
Over 18 years	11 93	12 54
Under 18 years	7 92	8 84
Percentage of young girls under 18	18.9	15.6
Percentage of married women	....	21.7
Average hours worked per week	51.4	51.1

Weekly rate of wages:	1922	1928
Under $7 00	123	31
7– 8	79	94
8– 9	217	162
9–10	249	283
10–11	392	457
11–12	302	291
12–13	211	305
13–14	347	386
14–15	86	129
15–16	73	84
16–18	78	141
18–20	47	43
20–22	19	19
22–up	14	22
Total	2,237	2,447

Orders Nos. 17, 18, 19, 20

The Needle Trades

These are the factories whose chief implement is the sewing machine.

Order No. 17

In the City of Toronto:

	1922	1928
Number of firms reporting	269	446
Total number of female employees	7,187	9,314
Over 18 years	6,676	8,732
Under 18 years	511	582
Total weekly wages	$97,958 39	$145,556 19
Over 18 years	93,897 65	140,228 29
Under 18 years	4,060 74	5,327 90
Average Weekly wages	13 63	15 63
Over 18 years	14 06	16 06
Under 18 years	7 95	9 15
Percentage of young girls under 18	7.1	6.2
Percentage of married women	....	22.6
Average hours worked per week	44.2	44.06

	1922	1927
Weekly rate of wages:		
Under $7.00	99	19
7– 8	72	39
8– 9	150	219
9–10	190	222
10–11	532	466
11–12	471	510
12–13	870	1,711
13–14	1,390	1,050
14–15	353	750
15–16	592	735
16–18	731	1,029
18–20	600	880
20–22	371	582
22–up	766	1,102
Total	7,187	9,314

Order No. 18

Needle trade factories in cities of 30,000 population or over, excepting Toronto:

	1922	1928
Number of firms reporting	51	70
Total number of female employees	874	925
Over 18 years	811	879
Under 18 years	63	46
Total weekly wages	$11,764 27	$13,113 13
Over 18 years	11,229 17	12,634 29
Under 18 years	535.10	478 84
Average weekly wages	13 46	14 08
Over 18 years	13 84	14 37
Under 18 years	8 49	10 41
Percentage of young girls under 18	7.2	4.9
Percentage of married women	....	30.9
Average hours worked per week	45.1	46.6

Weekly rate of wages:	1922	1928
Under $7 00	40	1
7–8	39	8
8– 9	48	45
9–10	49	83
10–11	72	62
11–12	69	125
12–13	85	119
13–14	74	79
14–15	78	56
15–16	66	89
16–18	105	78
18–20	76	80
20–22	41	43
22–up	32	57
Total	874	925

Order No. 19

Needle trade factories in cities and towns of from 5,000 to 30,000 population.

	1922	1928
Number of firms reporting	37	57
Total number of female employees	1,157	1,893
Over 18 years	954	1,714
Under 18 years	203	179
Total weekly wages	$13,599 09	$27,208 35
Over 18 years	12,310 26	25,258 15
Under 18 years	1,288 83	1,950 20
Average weekly wages	11 75	14 37
Over 18 years	12 90	14 74
Under 18 years	6 34	10 89
Percentage of young girls under 18	17.5	9.4
Percentage of married women	....	14.4
Average hours worked per week	46.9	47.3

Weekly rate of wages:	1922	1928
Under $7.00	83	6
7– 8	97	46
8– 9	95	78
9–10	89	156
10–11	118	163
11–12	95	198
12–13	105	272
13–14	91	142
14–15	109	144
15–16	57	157
16–18	158	197
18–20	33	91
20–22	15	67
22–up	12	176
Total	1,157	1,893

Order No. 20

Needle trade factories in places having less than 5,000 urban population:

	1922	1928
Number of firms reporting	10	22
Total number of female employees	107	277
Over 18 years	100	240
Under 18 years	7	37
Total weekly wages	$999 09	$3,857 29
Over 18 years	938 11	3,509 28
Under 18 years	60 98	348 01
Average weekly wages	9 33	13 92
Over 18 years	9 38	14 62
Under 18 years	8 71	9 41
Percentage of young girls under 18	6.5	13.3
Percentage of married women	....	24.2
Average hours worked per week	47.5	48.8

Weekly rate of wages:	1922	1928
Under $7.00	24	3
7– 8	10	12
8– 9	13	20
9–10	25	15
10–11	13	59
11–12	2	45
12–13	7	27
13–14	3	19
14–15	2	12
15–16	3	9
16–18	3	9
18–20	....	10
20–22	1	1
22–up	1	36
Total	107	277

Orders Nos. 21, 22, 23, 24

These govern wages in the following trades: Drugs, chemicals, pharmaceutical or toilet preparations, dyes, inks, shoe blacking or polish, mucilage, medicines, non-corrosive acids and non-hazardous chemicals or chemical preparations.

Order No. 21

In the City of Toronto:

	1923	1928
Number of firms reporting	58	91
Total number of female employees	635	804
Over 18 years	511	691
Under 18 years	124	113
Total weekly wages	$8,169 92	$11,684 11
Over 18 years	6,824 45	10,577 73
Under 18 years	1,345 47	1,106 38
Average weekly wages	12 86	14 53
Over 18 years	13 35	15 31
Under 18 years	10 85	9 79
Percentage of young girls under 18	19.5	14.05
Percentage of married women	14.6	12.5
Average hours worked per week	44.3	43.9

Weekly rate of wages:	1923	1928
Under $7.00	4	....
7– 8	4	....
8– 9	13	39
9–10	26	29
10–11	79	55
11–12	50	42
12–13	154	161
13–14	86	84
14–15	101	82
15–16	49	86
16–18	35	95
18–20	14	38
20–22	7	33
22–up	13	60
Total	635	804

Order No. 22

In cities of 30,000 population or over, excepting Toronto:

	1923	1928
Number of firms reporting	25	29
Total number of female employees	213	240
Over 18 years	172	219
Under 18 years	41	21
Total weekly wages	$2,768 71	$3,403 83
Over 18 years	2,291 56	3,197 83
Under 18 years	477 15	206 00
Average weekly wages	12 99	14 18
Over 18 years	13 32	14 60
Under 18 years	11.63	9 81
Percentage of young girls under 18	19.09	8.7
Percentage of married women	8.	9.5
Average hours worked per week	....	45.2

Weekly rate of wages:	1923	1928
Under $7 00	....	....
7– 8	3	....
8– 9	24	5
9–10	24	10
10–11	17	30
11–12	34	39
12–13	19	28
13–14	28	25
14–15	17	24
15–16	10	18
16–18	14	19
18–20	11	14
20–22	5	11
22–up	7	17
Total	213	240

Order No. 23

In cities and towns from 5,000 to 30,000 population:

	1923	1928
Number of firms reporting	15	13
Total number of female employees	207	144
Over 18 years	174	136
Under 18 years	33	8
Total weekly wages	$2,673 65	$2,431 69
Over 18 years	2,287 94	2,362 69
Under 18 years	385 71	69 00
Average weekly wages	12 92	16 89
Over 18 years	13 15	17 37
Under 18 years	11 69	8 63
Percentage of young girls under 18	15.9	5.5
Percentage of married women	2.9	4.1
Average hours worked per week	44.5	45.

Weekly rate of wages:	1923	1928
Under $7.00	....	...
7– 8	1	....
8– 9	3	4
9–10	11	....
10–11	12	6
11–12	56	13
12–13	26	16
13–14	25	3
14–15	17	9
15–16	14	18
16–18	35	24
18–20	4	22
20–22	1	7
22–up	2	22
Total	207	144

Order No. 24

In places having less than 5,000 urban population:

	1923	1928
Number of firms reporting	14	13
Total number of female employees	174	144
Over 18 years	146	134
Under 18 years	28	10
Total weekly wages	$1,805 47	$1,884 73
Over 18 years	1,559 07	1,797 98
Under 18 years	246 40	86 75
Average weekly wages	10 38	13 09
Over 18 years	10 68	13 42
Under 18 years	8 80	8 68
Percentage of young girls under 18	16 09	6.9
Percentage of married women	3.45	11.1
Average hours worked per week	46.2	45.

Weekly rate of wages:	1923	1928
Under $7.00	....	....
7– 8	35	....
8– 9	14	12
9–10	56	4
10–11	23	40
11–12	12	22
12–13	9	20
13–14	3	9
14–15	5	1
15–16	5	11
16–18	3	9
18–20	4	4
20–22	2	2
22–up	3	10
Total	174	144

Order No. 28

These are the factories engaged in the boot and shoe and other leather trades:

In the City of Toronto:

	1923	1928
Number of firms reporting	28	45
Total number of female employees	381	731
Over 18 years	299	613
Under 18 years	82	118
Total weekly wages	$5,519 98	$10,679 35
Over 18 years	4,674 65	9,505 58
Under 18 years	845.33	1,173 77
Average weekly wage	14 48	14 61
Over 18 years	15 64	15 50
Under 18 years	10 31	9 95
Percentage of young girls under 18	21.5	16.1
Percentage of married women	21.8	11.9
Average hours worked per week	45.1	44.8

Weekly rate of wages:	1923	1928
Under $7 00	....	3
7– 8	8	4
8– 9	21	57
9–10	25	28
10–11	30	51
11–12	12	41
12–13	39	81
13–14	21	71
14–15	24	76
15–16	41	60
16–18	47	83
18–20	45	82
20–22	47	52
22–up	21	42
Total	381	731

The same trades in cities over 30,000, excepting Toronto:

	1923	1928
Number of firms reporting	5	10
Total number of female employees	107	197
Over 18 years of age	97	85
Under 18 years	10	12
Total weekly wages	$1,626 07	3,250 79
Over 18 years	1,522 37	3,143 28
Under 18 years	103 70	121 32
Average weekly wages	15 19	16 50
Over 18 years	15 71	16 92
Under 18 years	10 37	10 11
Percentage of girls under 18	9.3	6.1
Percentage of married women	33.6	26.9
Average hours worked per week	47	47

Weekly rate of wages:	1923	1928
Under $7.00	1	5
7– 8	....	4
8– 9	4	9
9–10	4	10
10–11	9	10
11–12	6	13
12–13	8	19
13–14	16	11
14–15	6	14
15–16	12	17
16–18	15	32
18–20	10	19
20–22	6	10
22–up	10	24
Total	102	197

The same trades in towns and cities of from 5,000 to 30,000 population:

	1923	1928
Number of firms reporting	28	32
Total number of female employees	544	766
Over 18 years	443	638
Under 18 years	101	128
Total weekly wages	$7,003 32	$10,906 20
Over 18 years	6,058 87	9,621 29
Under 18 years	944 45	1,284 91
Average weekly wages	12 87	14 24
Over 18 years	13 67	15 08
Under 18 years	9 35	10 04
Percentage of young girls under 18	18.5	16.7
Percentage of married women	14.9	24.1
Average hours worked per week	49.2	48.4

Weekly rate of wages:	1923	1928
Under $7.00	15	1
7– 8	18	41
8– 9	46	35
9–10	24	36
10–11	57	54
11–12	29	87
12–13	131	78
13–14	42	57
14–15	23	69
15–16	39	57
16–18	41	111
18–20	41	73
20–22	19	20
22–up	19	47
Total	544	766

The same trades in places under 5,000 population:

	1923	1928
Total number of firms reporting	17	22
Total number of female employees	335	593
Over 18 years	275	449
Under 18 years	60	144
Total weekly wages	$3,737 14	$7,033 07
Over 18 years	3,226 47	5,728 31
Under 18 years	510 67	1,304 76
Average weekly wages	11.15	11.86
Over 18 years	11.73	12.76
Under 18 years	8 51	9 06
Percentage of young girls under 18	17.9	24.3
Percentage of married women	10.7	18.3
Average hours worked per week	48.8	50.7
Weekly rate of wages:	1923	1928
Under $7.00	28	26
7– 8	29	34
8– 9	34	34
9–10	42	57
10–11	44	95
11–12	35	61
12–13	34	74
13–14	18	45
14–15	16	22
15–16	12	45
16–18	27	38
18–20	5	29
20–22	5	21
22-up	6	12
Total	335	593

Order No. 30

These factories make electrical goods:

In the City of Toronto:

	1923	1928
Number of firms reporting	8	21
Total number of female employees	593	624
Over 18 years	488	544
Under 18 years	105	80
Total weekly wages	$7,668 87	$8,829 51
Over 18 years	6,582 59	8,041 70
Under 18 years	1,986 28	787 81
Average weekly wages	12.93	14.15
Over 18 years	13 51	14.77
Under 18 years	10 34	9 85
Percentage of young girls under 18	17.87	12.5
Percentage of married women	16.6	14.6
Average hours worked per week	47	45.7
Weekly rate of wages:	1923	1928
Under $7.00	....	....
7– 8	....	....
8– 9	9	6
9–10	15	6
10–11	36	23
11–12	120	59
12–13	97	109
13–14	94	194
14–15	100	52
15–16	43	53
16–18	42	70
18–20	25	27
20–22	9	14
22-up	3	11
Total	593	624

The same trade in cities over 30,000, excepting Toronto:

	1923	1928
Number of firms reporting	4	7
Total number of female employees	73	450
Over 18 years	52	398
Under 18 years	21	52
Total weekly wages	$1,015 09	$7,078 55
Over 18 years	765 42	6,528 25
Under 18 years	250 67	550 30
Average weekly wages	13 91	15 73
Over 18 years	14 72	17 31
Under 18 years	11.93	10.58
Percentage of young girls under 18	27.8	11.5
Percentage of married women	9.6	6.9
Average hours per week	46.6	45.

Weekly rate of wages:	1923	1929
Under $7.00	....	....
7- 8	....	...
8- 9	1	1
9–10	4	1
10–11	7	51
11–12	11	42
12–13	7	25
13–14	10	36
14–15	11	23
15–16	3	27
16–18	9	120
18–20	8	64
20–22	2	29
22–up	....	31
Total	73	450

The same trade in cities and towns of from 5,000 to 30,000 population:

	1923	1928
Number of firms reporting	4	10
Total number of female employees	32	427
Over 18 years	21	385
Under 18 years	11	42
Total weekly wages	$351.25	$5,839.16
Over 18 years	242.75	5,372 49
Under 18 years	108 50	466 67
Average weekly wages	10.00	13.67
Over 18 years	11 56	13 85
Under 18 years	9 86	11 11
Percentage of young girls under 18	34.3	9.8
Percentage of married women	12.5	15.4
Average hours worked per week	48.5	48.

Weekly rate of wages:	1923	1928
Under $7.00	....	....
7- 8	....	....
8- 9	4	5
9–10	....	37
10–11	17	39
11–12	4	61
12–13	2	84
13–14	1	54
14–15	3	35
15–16	....	31
16–18	....	36
18–20	....	21
20–22	1	16
22- up	....	8
Total	32	427

In places under 5,000 population:

	1923	1928
Number of firms reporting	1	2
Total number of female employees	3	12
Over 18 years	3	11
Under 18 years	...	1
Total weekly wages	$34.00	$176.85
Over 18 years	34.00	165.85
Under 18 years	...	11.00
Average weekly wages	11.33	14.76
Over 18 years	11.33	15.08
Under 18 years	....	11 00
Percentage of young girls under 18	....	9.8
Percentage of married women	....	15.4
Average hours worked per week	50	48

Weekly rate of wages:	1923	1928
Under $7.00	....	....
7– 8	....	....
8– 9	....	....
9–10	....	....
10–11	2	....
11–12	....	1
12–13	1	....
13–14	....	....
14–15	....	8
15–16	....	2
16–18	....	....
18–20	....	1
20–22	....	1
22–up	....	....
Total	3	12

Order No. 34

The food trades, including the making of confectionery, biscuit, chocolate, jam, gum, grocery specialties, crushed fruit, syrup, pickles, together with bakeries, packing houses and all allied industries (excepting seasonal canneries).

This order includes part of Order No. 2, which went into force August 1st, 1921. The latter part of this order came into force October 1st, 1924.

In the City of Toronto:

	1926	1928
Number of firms reporting	84	109
Total number of female employees	2,530	3,047
Over 18 years	2,132	2,499
Under 18 years	398	548
Total weekly wages	$33,265 40	$41,005 86
Over 18 years	28,394 85	34,572 29
Under 18 years	4,870 55	6,433 57
Average weekly wages	13 15	13 13
Over 18 years	13 46	13 83
Under 18 years	12 24	11 73
Percentage of young girls under 18	15.7	17.9
Percentage of married women	9.9	11.2
Average hours worked per week	46.1	45.5

Weekly rate of wates:	1926	1928
Under $7 00	8	4
7– 8	....	1
8– 9	129	230
9–10	165	87
10–11	206	242
11–12	262	165
12–13	811	896
13–14	272	389
14–15	194	187
15–16	193	286
16–18	134	244
18–20	73	155
20–22	35	80
20–up	48	81
Total	2,530	3,047

The same trades in cities of 30,000 population or over, excepting Toronto:

	1926	1928
Number of firms reporting	65	73
Total number of female employees	925	928
Over 18 years	813	798
Under 18 years	112	130
Total weekly wages	$11,530 57	$12,366 77
Over 18 years	10,248 89	10,878 11
Under 18 years	1,281 68	1,488 66
Average weekly wages	12 47	13 33
Over 18 years	12 61	13 63
Under 18 years	11 44	11 45
Percentage of young girls under 18	12.1	14.
Percentage of married women	16.4	13.7
Average hours worked per week	46.5	47.5

Weekly rate of wages:	1926	1928
Under $7 00	11	....
7– 8	15	2
8– 9	73	18
9–10	66	53
10–11	120	99
11–12	160	178
12–13	143	184
13–14	90	117
14–15	68	75
15–16	85	57
16–18	48	77
18–20	23	27
20–22	15	22
22-up	8	19
Total	925	928

The same trades in places of 5,000 to 30,000:

	1926	1928
Total number of firms reporting	76	88
Total number of female employees	612	672
Over 18 years	503	506
Under 18 years	109	166
Total weekly wages	$7,259 06	$8,593 47
Over 18 years	6,076 98	6,810 97
Under 18 years	1,182 08	1,782 50
Average weekly wages	11 86	12 78
Over 18 years	12 08	13 46
Under 18 years	10 84	10 74
Percentage of young girls under 18	17.8	24.7
Percentage of married women	.88	6.9
Average hours worked per week	52.8	48.

Weekly rate of wages:	1926	1928
Under $7.00	....	1
7– 8	44	15
8– 9	45	35
9–10	89	50
10–11	27	109
11–12	150	67
12–13	79	134
13–14	38	99
14–15	23	26
15–16	32	45
16–18	31	36
18–20	22	20
20–22	20	15
22–up	12	20
Total	612	672

The same trade in places under 5,000 population:

	1926	1928
Number of firms reporting	33	51
Total number of female employees	246	325
Over 18 years	220	285
Under 18 years	26	40
Total weekly wages	$3,159 49	$4,057 70
Over 18 years	2,842 57	3,628 62
Under 18 years	316 92	429 08
Average weekly wages	12 84	12 50
Over 18 years	12 92	12 69
Under 18 years	12 19	10 73
Percentage of young girls under 18	10.5	12.3
Percentage of married women	21.9	23.
Average hours worked per week	51.9	49.2

Weekly rate of wages:	1926	1929
Under $7 00	2	..
7– 8	4	4
8– 9	15	6
9–10	5	21
10–11	32	45
11–12	53	128
12–13	30	25
13–14	6	23
14–15	63	11
15–16	9	20
16–18	7	13
18–20	8	11
20–22	3	5
22–up	9	13
Total	246	325

Order No. 35

Miscellaneous order: governing all factory trades not dealt with in other orders (except seasonal canneries).

This order came into force October 1st, 1924.

In the City of Toronto:

	1926	1928
Number of firms reporting	95	123
Total number of female employees	1,189	1,634
Over 18 years	1,020	1,432
Under 18 years	169	202
Total weekly wages	$16,765 57	$23,165 99
Over 18 years	15,044 74	20,986 33
Under 18 years	1,720 83	2,179 66
Average weekly wages	14 20	14 18
Over 18 years	14 75	14 66
Under 18 years	10 18	10 79
Percentage of young girls under 18	14.2	12.3
Percentage of married women	15.6	18.7
Average hours worked per week	45.7	45.6

Weekly rate of wages:	1926	1928
Under $7.00	....	....
7– 8	2	....
8– 9	23	46
9–10	50	45
10–11	100	115
11–12	111	122
12–13	253	359
13–14	178	239
14–15	92	170
15–16	84	172
16–18	78	169
18–20	....	82
20–22	43	57
22– up	45	58
Total	1,189	1,634

In cities of 30,000 population or over, excepting Toronto:

	1926	1928
Number of firms reporting	54	60
Total number of female employees	779	1,013
Over 18 years	701	874
Under 18 years	78	139
Total weekly wages	$10,903 86	$14,471 21
Over 18 years	10,008 85	12,868 97
Under 18 years	895 01	1,584 24
Average weekly wages	14 00	14 29
Over 18 years	14 28	14 74
Under 18 years	11 47	11 40
Percentage of young girls under 18	10.	13.7
Percentage of married women	16.8	17.8
Average hours worked per week	47.3	48.5

Weekly rate of wages:	1926	1928
Under $7 00	....	1
7– 8	2	....
8– 9	21	15
9–10	43	48
10–11	59	76
11–12	103	162
12–13	129	128
13–14	83	126
14–15	54	92
15–16	72	60
16–18	127	149
18–20	35	86
20–22	14	39
22–up	37	31
Total	779	1,013

In cities and towns of from 5,000 to 30,000 population:

	1926	1929
Number of firms reporting	72	82
Total number of female employees	1,123	1,263
Over 18 years	924	1,052
Under 18 years	199	211
Total weekly wages	$14,511 87	$16,904 86
Over 18 years	12,307 86	14,613 32
Under 18 years	2,204 01	2,291 53
Average weekly wages	12 92	13 38
Over 18 years	13 32	13 89
Under 18 years	11 08	10 86
Percentage of young girls under 18	17.7	16.7
Percentage of marride women	15.5	19.6
Average hours worked per week	48.7	49.5

Weekly rate of wages:	1926	1929
Under $7 00	9	4
7– 8	19	22
8– 9	24	38
9–10	97	59
10–11	98	91
11–12	261	214
12–13	147	214
13–14	99	135
14–15	147	144
15–16	79	106
16–18	71	140
18–20	28	40
20–22	12	19
22–up	32	37
Total	1,123	1,263

The same trades in places having less than 5,000 population.

	1926	1929
Number of firms reporting	56	68
Total number of female employees	972	1,083
Over 18 years	830	921
Under 18 years	142	162
Total weekly wages	$12,002 50	$12,997 73
Over 18 years	10,587 50	11,327 27
Under 18 years	1,415 00	1,679 46
Average weekly wages	12 35	12 00
Over 18 years	12 76	12 30
Under 18 years	9.96	10.31
Percentage of young girls under 18	14.6	14.9
Percentage of married women under 50	17.3	24.4
Average hours worked per week	48.7	49.6

Weekly rate of wages:	1926	1929
Under $7 00	16	11
7– 8	22	23
8– 9	139	158
9–10	59	107
10–11	166	187
11–12	92	136
12–13	97	109
13–14	63	56
14–15	26	35
15–16	34	37
16–18	225	185
18–20	20	20
20–22	7	9
22–up	6	10
Total	972	1,083

Order No. 36

Factories making tobacco goods,

In the City of Toronto:

	1926	1928
Number of firms reporting	5	4
Total number of female employees	219	194
Over 18 years	213	186
Under 18 years	6	8
Total weekly wages	$3,217 96	$3,511 31
Over 18 years	3,152 08	3,437 81
Under 18 years	65 88	73 50
Average weekly wages	14 69	18 10
Over 18 years	14 80	18 48
Under 18 years	10 98	9 19
Percentage of young girls under 18	2.7	4.1
Percentage of married women	12.8	21.1
Average hours worked per week	42.	41.1

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	....	....
8– 9	2	5
9–10	13	1
10–11	20	1
11–12	29	....
12–13	17	17
13–14	17	4
14–15	8	46
15–16	10	2
16–18	18	3
18–20	28	1
10–22	41	101
22–up	16	12
Total	219	194

The same trades in cities of 30,000 population or over, excepting Toronto:

	1926	1929
Number of firms reporting	5	5
Total number of female employees	308	309
Over 18 years	285	293
Under 18 years	23	16
Total weekly wages	$3,706 82	$3,746 62
Over 18 years	3,480 82	3,598 12
Under 18 years	226 00	148 50
Average weekly wages	12 04	12 12
Over 18 years	12 21	12 28
Under 18 years	9 83	9 28
Percentage of young girls under 18	7.5	5.1
Percentage of married women	26.6	41.1
Average hours worked per week	42.6	42.8

Weekly rate of wages:	1926	1928
Under $7 00	....	1
7– 8	....	2
8– 9	8	3
9–10	42	49
10–11	54	35
11–12	81	114
12–13	46	31
13–14	20	12
14–15	18	16
15–16	21	12
16–18	7	25
18–20	5	5
20–22	3	..
22–up	3	4
Total	308	309

In cities and towns of from 5,000 to 30,000 population:

	1926	1928
Number of firms reporting	1	3
Total number of female employees	9	11
Over 18 years	9	11
Under 18 years	....	....
Total weekly wages	$95 92	120 94
Over 18 years	95 92	120 94
Under 18 years	....	....
Average weekly wages	10.66	10.99
Over 18 years	....	10 99
Under 18 years	....	....
Percentage of young girls under 18	....	....
Percentage of married women	....	36.3
Average hours worked per week	38.3	40.1

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	2	....
8– 9	....	3
9–10	2	2
10–11	1	....
11–12	1	3
12–13	....	....
13–14	2	2
14–15	1	1
15–16	....	...
16–18	....	....
18–20	....	....
20–22	....	....
22–up	....	....
Total	9	11

In places having less than 5,000 urban population:

	1926	1929
Number of firms reporting	2	3
Total number of female employees	39	169
Over 18 years	33	148
Under 18 years	6	21
Total weekly wages	$458 69	$1,843 27
Over 18 years	396 59	1,613 37
Under 18 years	62 10	229 90
Average weekly wages	11 76	10 91
Over 18 years	12 02	10 90
Under 18 years	10 35	10 95
Percentage of young girls under 18	15.4	12.4
Percentage of married women	48.7	55.
Average hours worked per week	40.	53.3

Weekly rate of wages:	1926	1929
Under $7 00	....	....
7– 8	....	....
8– 9	....	9
9–10	1	61
10–11	24	..
11–12	5	62
12–13	1	1
13–14	1	32
14–15	3	1
15–16	1	1
16–18	2	2
18–20	....	....
20–22	....	....
22–up	1	....
Total	39	169

Order No. 37

Factories making rubber goods,

In the City of Toronto:

	1926	1929
Number of firms reporting	6	4
Total number of female employees	434	578
Over 18 years	415	515
Under 18 years	19	63
Total weekly wages	$7,152 43	$9,972 98
Over 18 years	6,892 97	9,171 06
Under 18 years	259 46	801 92
Average weekly wages	16 48	17 25
Over 18 years	16 61	17 81
Under 18 years	13 36	12 73
Percentage of young girls under 18	4.4	10.8
Percentage of married women	24.8	29.9
Average hours worked per week	45.8	46.1

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	....	....
8– 9	....	....
9–10	....	....
10–11	2	1
11–12	5	44
12–13	40	106
13–14	53	29
14–15	56	29
15–16	55	31
16–18	99	79
18–20	70	143
20–22	30	75
22–up	24	41
Total	434	578

The same trades in cities of 30,000 population or over, excepting Toronto:

	1926	1929
Number of firms reporting	2	1
Total number of female employees	3	28
Over 18 years	3	28
Under 18 years	....	....
Total weekly wages	$65 38	$534 70
Over 18 years	65 38	534 70
Under 18 years	....	....
Average weekly wages	21 79	19 10
Over 18 years	21 79	19 10
Under 18 years	....	....
Percentage of young girls under 18	....	....
Percentage of married women	....	32.1
Average hours worked per week	40.6	55.

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	....	....
8– 9	....	....
9–10	....	....
10–11	....	....
11–12	....	....
12–13	....	....
13–14	....	....
14–15	....	1
15–16	....	1
16–18	....	9
18–20	1	6
20–22	1	8
22–up	1	3
Total	3	28

The same trades in cities and towns of 5,000 to 30,000 population:

	1926	1928
Number of firms reporting	8	10
Total number of female employees	517	805
Over 18 years	402	635
Under 18 years	115	170
Total weekly wages	$6,419 12	$11,149 12
Over 18 years	5,324 78	9,314 63
Under 18 years	1,094 34	1 834 49
Average weekly wages	12 42	13 85
Over 18 years	13 25	14 67
Under 18 years	9 52	10 79
Percentage of young girls under 18	22.2	21.1
Percentage of married women	17.6	22.4
Average hours worked per week	48 9	51.4

Weekly rate of wages:	1926	1928
Under $7 00	4	9
7– 8	7	20
8– 9	41	31
9–10	44	51
10–11	55	79
11–12	111	97
12–13	65	91
13–14	54	71
14–15	43	85
15–16	35	48
16–18	33	95
18–20	15	78
20–22	7	27
22–up	3	23
Total	517	805

The same trade in places having less than 5,000 urban population:

	1926	1928
Number of firms reporting	3	6
Total number of female employees	255	420
Over 18 years	200	325
Under 18 years	55	95
Total weekly wages	$3,714 98	$5,990 63
Over 18 years	3,005 92	4,837 91
Under 18 years	709 06	1,152 72
Average weekly wages	14 57	14 26
Over 18 years	15 03	14 89
Under 18 years	12 89	12 13
Percentage of young girls under 18	21.6	22.6
Percentage of married women	11.8	18.5
Average hours worked per week	54.1	49

Weekly rate of wages:	1926	1928
Under $7 00	....	7
7– 8	4	5
8– 9	8	24
9–10	13	9
10–11	20	26
11–12	22	20
12–13	29	34
13–14	20	40
14–15	28	63
15–16	26	64
17–18	34	77
18–20	26	41
20–22	21	9
22–up	4	1
Total	255	420

Order No. 38

Factories making jewellery,

In the City of Toronto:

	1926	1928
Number of firms reporting	20	22
Total number of female employees	159	202
Over 18 years	141	179
Under 18 years	18	23
Total weekly wages	$2,274 93	$2,947 18
Over 18 years	2,108 93	2,711 48
Under 18 years	166 00	235 70
Average weekly wages	14 31	14 59
Over 18 years	14 96	15 15
Under 18 years	9 02	10 25
Percentage of young girls under 18	12 83	11.4
Percentage of married women	8.8	14.2
Average hours worked per week	44.	44.7

Weekly rate of wages:	1926	1928
Under $7 00	2	....
7– 8	1	....
8– 9	8	7
9–10	7	9
10–11	11	10
11–12	12	18
12–13	23	27
13–14	17	20
14–15	16	14
15–16	13	23
16–18	13	26
18–20	12	15
20–22	13	12
22–up	11	21
Total	159	202

In cities of 30,000 population or over, excepting Toronto:

	1926	1928
Number of firms reporting	6	10
Total number of female employees	17	38
Over 18 years	14	33
Under 18 years	3	5
Total weekly wages	$223 59	$587 75
Over 18 years	201 59	524 25
Under 18 years	22 00	63 50
Average weekly wages	13 15	15 46
Over 18 years	14 40	15 88
Under 18 years	7 33	12 70
Percentage of young girls	21.4	15.1
Percentage of married women	....	5.3
Average hours worked per week	46.1	43.

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	2	....
8– 9	1	2
9–10	....	....
10–11	....	4
11–12	4	4
12–13	....	1
13–14	....	4
14–15	4	1
15–16	1	4
16–18	5	10
18–20	....	2
20–22	....	3
22 up	....	3
Total	17	38

The same trades in cities of 5,000 to 30,000.

	1926	1928
Number of firms reporting	5	7
Total number of female employees	61	146
Over 18 years	51	128
Under 18 years	10	18
Total weekly wages	$803 97	$1,945 56
Over 18 years	691 84	1,768 62
Under 18 years	112 13	176 94
Average weekly wages	13 18	13 33
Over 18 years	13 56	13 82
Under 18 years	11 21	9 83
Percentage of young girls under 18	16.4	12.4
Percentage of married women	13.1	17.1
Average hours worked per week	47.1	47.6

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7- 8	....	2
8- 9	4	4
9-10	....	7
10-11	13	19
11-12	7	23
12-13	8	18
13-14	5	16
14-15	11	21
15-16	5	17
16-18	3	8
18-20	2	3
20-22	3	3
22-up	....	5
Total	61	146

Order No. 39

The paper trades, which include printing, bookbinding, paper box making, paper bag making, manufacturing stationery and other trades making paper or paper products.

This order includes part of Order No. 2, which went into force August 1st, 1921. The latter part came into force November 15th, 1924.

In the City of Toronto:

	1926	1928
Number of firms reporting	162	205
Total number of female employees	2,514	2,712
Over 18 years	2,197	2,374
Under 18 years	317	338
Total weekly wages	$36,457 96	$41,055 01
Over 18 years	33,152 65	37,378 91
Under 18 years	3,305 31	3,678 10
Average weekly wages	14 50	15 14
Over 18 years	15 08	15 75
Under 18 years	10 42	10 88
Percentage of young girls under 18	12.6	12.5
Percentage of married women	13.6	13.04
Average hours worked per week	45.7	46.

Weekly rate of wages:	1926	1928
Under $7 00	4	...
7- 8	6	5
8- 9	107	81
9-10	151	112
10-11	201	167
11-12	155	161
12-13	401	459
13-14	195	178
14-15	197	234
15-16	240	287
16-18	492	585
18-20	170	170
20-22	80	93
22-up	115	179
Total	2,514	2,712

The same trades in cities of 30,000 population, excepting Toronto:

	1926	1928
Number of firms reporting	64	68
Total number of female employees	642	1,294
Over 18 years	582	1,172
Under 18 years	60	122
Total weekly wages	$8,521 29	$17,350 29
Over 18 years	7,939 28	16,136 40
Under 18 years	582 01	1,213 89
Average weekly wages	13 27	13 41
Over 18 years	13 64	13 76
Under 18 years	9 70	9 95
Percentage of young girls under 18	9.3	9.5
Percentage of married women	10.6	8.
Average hours worked per week	46.5	46.5

Weekly rate of wages:	1926	1928
Under $7 00	1	....
7– 8	4	2
8– 9	50	19
9–10	51	94
10–11	73	179
11–12	87	251
12–13	84	173
13–14	81	131
14–15	42	120
15–16	49	98
16–18	37	92
18–20	24	41
20–22	19	28
22–up	41	56
Total	642	1,294

The same trades in towns and cities of from 5,000 to 30,000 population:

	1926	1928
Number of firms reporting	59	78
Total number of female employees	579	763
Over 18 years	509	655
Under 18 years	70	108
Total weekly wages	$7,452 31	$10,042 95
Over 18 years	6,794 95	9,104 48
Under 18 years	657 36	938 47
Average weekly wages	12 87	13 16
Over 18 years	13 35	13 90
Under 18 years	9 39	8 69
Percentage of young girls under 18	12.1	14.1
Percentage of married women	8.3	8.6
Average hours worked per week	47.5	46.9

Weekly rate of wages:	1926	1928
Under $7 00	2	4
7– 8	26	30
8– 9	28	31
9–10	55	56
10–11	87	80
11–12	112	173
12–13	58	97
13–14	20	51
14–15	35	44
15–16	65	51
16–18	28	47
18–20	19	21
20–22	11	28
22–up	33	50
Total	579	763

The same trades in places having less than 5,000 urban population:

	1926	1928
Number of firms reporting	95	78
Total number of female employees	250	296
Over 18 years	231	261
Under 18 years	19	35
Total weekly wages	$3,266 71	$3,907 09
Over 18 years	3,074 22	3,619 21
Under 18 years	192 49	287 88
Average weekly wages	13 06	13 20
Over 18 years	13 31	13 87
Under 18 years	10 13	8 22
Percentage of young girls under 18	7.6	11.8
Percentage of married women	6.2	7.1
Average hours worked per week	47.3	47.4

Weekly rate of wages:	1926	1928
Under $7 00	13	11
7– 8	7	8
8– 9	5	13
9–10	5	18
10–11	33	32
11–12	7	10
12–13	34	36
13–14	35	43
14–15	37	23
15–16	39	57
16–18	12	16
18–20	8	11
10–22	10	11
22–up	5	7
Total	250	296

Order No. 27

Hotels, restaurants and refreshment rooms,

In the City of Toronto:

	1926	1928
Number of firms reporting	138	153
Total number of female employees	1,949	2,564
Over 18 years	1,925	2,520
Under 18 years	24	44
Total weekly wages	$30,333 86	$41,986 63
Over 18 years	29,985 11	41,274 13
Under 18 years	348 75	712 50
Average weekly wages	15 56	16 38
Over 18 years	15 58	16 38
Under 18 years	14 53	16 19
Percentage of young girls under 18	1.2	1.7
Percentage of married women	35.6	40.8
Average hours worked per week	49.8	50.4

Weekly rate of wages:	1926	1928
Under $7 00	....	....
7– 8	....	....
8– 9	....	....
9–10	....	....
10–11	....	...
11–12	....	....
12–13	168	74
13–14	375	430
14–15	254	219
15–16	423	637
16–18	386	468
18–20	157	458
20–22	98	126
22–up	88	152
Total	1,949	2,564

The same trades in towns and cities of 30,000 population or over, excepting Toronto:

	1927	1928
Number of firms reporting	87	80
Total number of female employees	392	445
Over 18 years	365	421
Under 18 years	27	24
Total weekly wages	$6,290 44	$6,716 59
Over 18 years	5,940 94	6,414 59
Under 18 years	349 50	302 00
Average weekly wages	16 05	15 09
Over 18 years	16 28	15 24
Under 18 years	12 94	12 58
Percentage of young girls under 18	6.8	5.3
Percentage of married women	29.5	20.5
Average hours worked per week	57.7	53.8

Weekly rate of wages:	1927	1928
Under $7 00	....	....
7- 8	....	....
8- 9	....	....
9-10	....	....
10-11	...	....
11-12	....	1
12-13	94	97
13-14	66	63
14-15	59	78
15-16	28	65
16-18	84	93
18-20	42	31
20-22	10	6
22-up	9	11
Total	392	445

Order No. 41

Custom Millinery in Toronto:

	1928
Number of firms reporting	68
Total number of female employees	625
Over 18 years	562
Under 18 years	63
Total weekly wages	$10,562 51
Over 18 years	10,026 51
Under 18 years	536 00
Average weekly wages	16 90
Over 18 years	17 84
Under 18 years	8 50
Percentage of young girls under 18	10.
Percentage of married women	13.6
Average hours worked per week	46.8

Weekly rate of wages:	1928
Under $7 00	21
7- 8	20
8- 9	20
9-10	17
10-11	30
11-12	10
12-13	56
13-14	32
14-15	45
15-16	66
16-18	80
18-20	52
20-22	45
22-up	131
Total	625

Order No. 43

Custom Millinery in cities of 30,000 population or over, excepting Toronto:

	1928
Number of firms reporting	48
Total number of female employees	212
Over 18 years	203
Under 18 years	9
Total weekly wages	$3,162 79
Over 18 years	3,086 79
Under 18 years	76 00
Average weekly wages	14 92
Over 18 years	15 20
Under 18 years	8 44
Percentage of young girls under 18 years	4.2
Percentage of married women	14.7
Average hours worked per week	48.

Weekly rate of wages:	1928
Under $7 00	7
7– 8	1
8– 9	4
9–10	5
10–11	12
11–12	5
12–13	46
13–14	18
14–15	6
15–16	22
16–18	22
18–20	15
20–22	17
22–up	32
Total	212

Order No. 42

Hairdressing and Beauty Parlors in Toronto:

	1928
Number of firms reporting	64
Total number of female employees	271
Over 18 years	258
Under 18 years	13
Total weekly wages	$5,139 00
Over 18 years	4,967 25
Under 18 years	171 75
Average weekly wages	18 96
Over 18 years	19 25
Under 18 years	13 21
Percentage of young girls under 18	4.8
Percentage of married women	15.5
Average hours worked per week	47.3

Weekly rate of wages:	1928
Under $7 00	8
7– 8	3
8– 9	3
9–10	2
10–11	6
11–12	2
12–13	18
13–14	3
14–15	2
15–16	37
16–18	25
18–20	46
20–22	42
22–up	74
Total	271

Administration

No laws are effective unless enforced, so that the administrative work of the Board is vital to its success.

The first move is to require the posting of cards containing the orders in all the factories, stores, laundries, hotels and theatres. The factory inspectors going their rounds report as to whether these are properly displayed.

Next comes the handling of complaints. These are of many kinds, and are sent in by all sorts of people. A special Inspection Meeting is held each fortnight, attended by Mr. J. T. Burke, Chief Factory Inspector, for the review of these cases. Twenty-six such meetings were held, and 372 complaints were dealt with and satisfactorily settled. The Board owes much to the co-operation of Mr. Burke and his Branch.

A most effective plan is involved in what are called Wage Adjustment Cases. Throughout the year the wage-sheets are gathered from the firms employing women, and carefully analyzed. Any apparent lack of conformity to the orders is taken up with the firm concerned. There were 318 such cases during the year, out of a total collection of 2,935 wage sheets. All of these were either explained or rectified.

An important result of this collection of statistics is the securing and storing of information respecting employment from year to year.

One of the members of the Board, Mr. H. G. Fester, devotes his time to such complaints and wage adjustment cases as requires personal attention. Without exception, the needed corrections have been secured in an amicable way.

The extent of our correspondence is shown in the following summary:

Dictated letters	2,438
Orders sent out	1,286
Question forms sent out	5,297
Form letters sent out	6,176
Letters received	1,509

Collection of Arrears

The Board has collected arrears due a number of workers, as follows:

Firms concerned	75
Employees concerned	136
Amount collected	$7,384 15
Largest amount to any worker	350 00
Smallest amount to any worker	2 50
Average amount	54 29

Other arrears have also been collected privately of which the particulars have not been reported.

Permits

The Board is accustomed to issue special permits for lower wages to handicapped workers, or for variations or suspensions of its orders in certain emergencies. The following table shows what has been done.

Number of firms to whom issued		54
Number of permits expired		18
Number now in force		97
(a) For handicapped workers	69	
(b) Re proportion of experienced workers	19	
(c) Special apprenticeships	5	
(d) Others	4	

The proportion of permits is so small that the standards of wages are not affected. At the same time they provide a valuable degree of flexibility in administering the law and enable a number of women to be steadily employed who otherwise would be excluded from remunerative work.

Conclusion

The Board acknowledges with gratitude the support it has received from organized labour throughout the Province, from employers, and from the public. All agree to the basic principle that a working woman should be able to live from her work. The Board's duty is to provide a reasonable and conciliatory enforcement of this principle. That it is succeeding is shown both by the wage conditions in the collected statistics of this report and by the general confidence and co-operation which it enjoys.

ANNUAL REPORTS

OF THE

Department of Public Highways

ONTARIO

1926 and 1927

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To His Honour William Donald Ross,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I herewith beg to present for your consideration the Report of the Department of Public Highways, relating to Highway Improvement in the Province of Ontario during the years 1926 and 1927.

Respectfully submitted,

Geo. S. Henry,
Minister of Public Works and Highways.

Department of Public Highways,
Toronto, March 1st, 1929.

To the Honourable Geo. S. Henry,
Minister of Public Works and Highways,
Ontario.

Sir,—I have the honour to submit the Report of the Department of Public Highways for the years 1926 and 1927, having special reference to works on the Provincial Highway System; work carried on by the several counties of Ontario, and by township councils.

Reference is also made to the operation of the Highway Traffic Act; and to other services within the purview of the Department of Public Highways.

I have the honour to be, Sir,
Yours respectfully,

R. M. SMITH,
Deputy Minister of Highways.

Parliament Buildings, Toronto, February 12, 1929.

No. 2 Provincial Highway, 5 miles east of Bowmanville.

Frontispiece

HIGHWAY IMPROVEMENT IN ONTARIO

Report of R. M. Smith, Deputy Minister

The advance made in highway development during the last ten years, and more particularly the last three, brings us to a realization of achievement beyond our fondest hopes.

Commencing our highway activities from a Provincial point of view in 1918 with only forty-two miles of hard surfaced road, ten years later we find that 1,700 miles have been completed, concrete, asphalt, bituminous penetration, macadam and high type gravel roads stretching from west to east and from north to south, connecting cities, towns and villages with an all-season pavement, providing easy means of transportation and permitting of industrial and rural development that cannot be conceived in money value.

Ontario has made such strides in the last decade that one hardly recognizes old conditions. The farmer, the hamlet, the village or town have all kept pace with highway development, presenting to the tourist or motorist an appearance of progress and prosperity that cannot but react to our credit.

Our highways are being built not for pleasure or the tourist alone, but sufficiently rugged to stand the heaviest commercial traffic. The standard of construction has been raised from year to year, improvements in design and specifications being kept continually before us. While the high standard that we have set has slightly increased the price per mile of road, we believe the added cost can be justified. Not only have we improved on old design, but we have, through research and investigation, developed newer types which are meeting widespread approval.

In this connection, the "asphaltic mixed macadam" first laid in 1926 deserves special mention. This pavement is the result of the incessant demand by the travelling public for a surface that could be laid under traffic conditions and without detours. It has served this purpose. Further than that, it is economical in cost of construction, and, finally, its non-skid surface makes for safety in driving.

In developing our system of highways, engineers have been instructed to specially emphasize the safety in construction, the importance of straight lines, the value of clear vision, and finally to develop for the future. Hundreds of curves have been eliminated or improved, numerous grades have been reduced, fills widened and protected by guard-rail. In cases where construction does not entirely remove the menace, signs, directional and warning, have been erected throughout the entire length of our system. These symbol signs have materially added to the safety of our highways.

Railway grade crossings are also receiving their share of attention. Many diversions of the highway have been made, eliminating in all twenty level crossings in the last three years. We have also completed the construction of, or have under way, four overhead bridges or subways.

Many large bridges have also been completed under the supervision of our bridge department, the most important of these structures being the Caledonia bridge and the Plantagenet bridge.

Ontario, from its geographical position, must of necessity be surrounded by large bridges. The Peace bridge across the international boundary at Buffalo, and the Ambassador bridge under consideration at Windsor are samples of the larger type and typical expressions of good will between two great countries.

Further, because of its location, Ontario must of necessity keep pace with the development of the surrounding states and provinces. Their growth and prosperity cannot help but react to our benefit, and so Ontario has spent on its main trunk system of 2,500 miles during the last three years over $25,000,000.

Our expenditure is not confined to trunk or provincial roads alone. The Province of Ontario supervises in an advisory capacity and contributes fifty per cent. of the cost of the construction of all county roads. We also pay a subsidy

[Black base, sheet asphalt top, Yonge Street, south of Barrie.

of thirty per cent. toward the cost of township roads. Keeping in mind that our county road system is 7,855 miles in length, and our township roads 41,731 miles in length, it will be appreciated that the government responsibility and expenditure is very heavy. In connection with these feeders to trunk roads, I am pleased to say that the last few years have shown a vast improvement. Practically sixty-six per cent. of this total mileage has been metalled, the major portion being in excellent condition.

Ontario can justly feel a keen sense of satisfaction with the results obtained. The work of construction is being economically carried on and well done. While engineers and officials usually receive the credit, our thanks and appreciation are extended to the contractor who, after all, is the man who does the work.

The Province of Ontario rightly feels that the foundation of our prosperity, our education, our progress and our future lays in our highways, that past expenditure and future expenditure can be justified and that it is the duty of this province to "carry on" improving and bettering our conditions that we may be a worthy unit in this Dominion of Canada, a part of the great British Empire.

Summary Highway Expenditure and Receipts, 1926 and 1927

During 1926 there was a total of over $21,000,000.00 and during 1927 over $26,000,000.00 spent on road improvement in Ontario either by the province or by the municipalities in co-operation with the province. This total was made up as follows:—

	1926	1927
Provincial Highways	$6,524,407 99	$9,063,930 81
County Roads	5,838,445 12	7,424,464 85
Township Roads	4,232,909 41	4,800,000 00*
Colonization Roads	296,317 27	498,188 75
Northern Development	3,770,078 79	3,922,363 80
Public Works Bridges	154,059 09	152,775 47
Connecting Links	65,564 20	2,044 40
Overhead, Miscellaneous Grants, etc.	503,564 37	576,870 76
Indian Reserve Roads	37,747 60	45,650 00*
	$21,423,093 84	$26,486,288 84

*Estimated.

Of these expenditures approximately 20 per cent. of the cost of provincial highways will be paid by the counties and a certain proportion will be paid by cities and separated towns in provincial suburban areas, while 50 per cent. of the county roads expenditure is borne by the counties, and approximately 70 per cent. of the township roads expenditure is borne by the townships, so that from the above total we should deduct the following amounts to obtain the net Ontario Government expenditure:—

	1926	1927
Provincial Highway expenditure borne by counties	$1,219,075 95	$1,776,090 19
Provincial Highway expenditure borne by cities and separated towns	144,201 31	195,572 28
County Road expenditure borne by counties	2,924,784 16	3,717,744 97
Township Road expenditure borne by townships	2,915,763 24	3,330,000 00*
Indian Reserve expenditure borne by reserves	24,712 18	29,000 00*
Connecting Links portion borne by towns	32,782 10	1,022 20
	$7,261,318 94	$9,049,429 64

Deducting the above repayments leaves net Government expenditures as follows:—

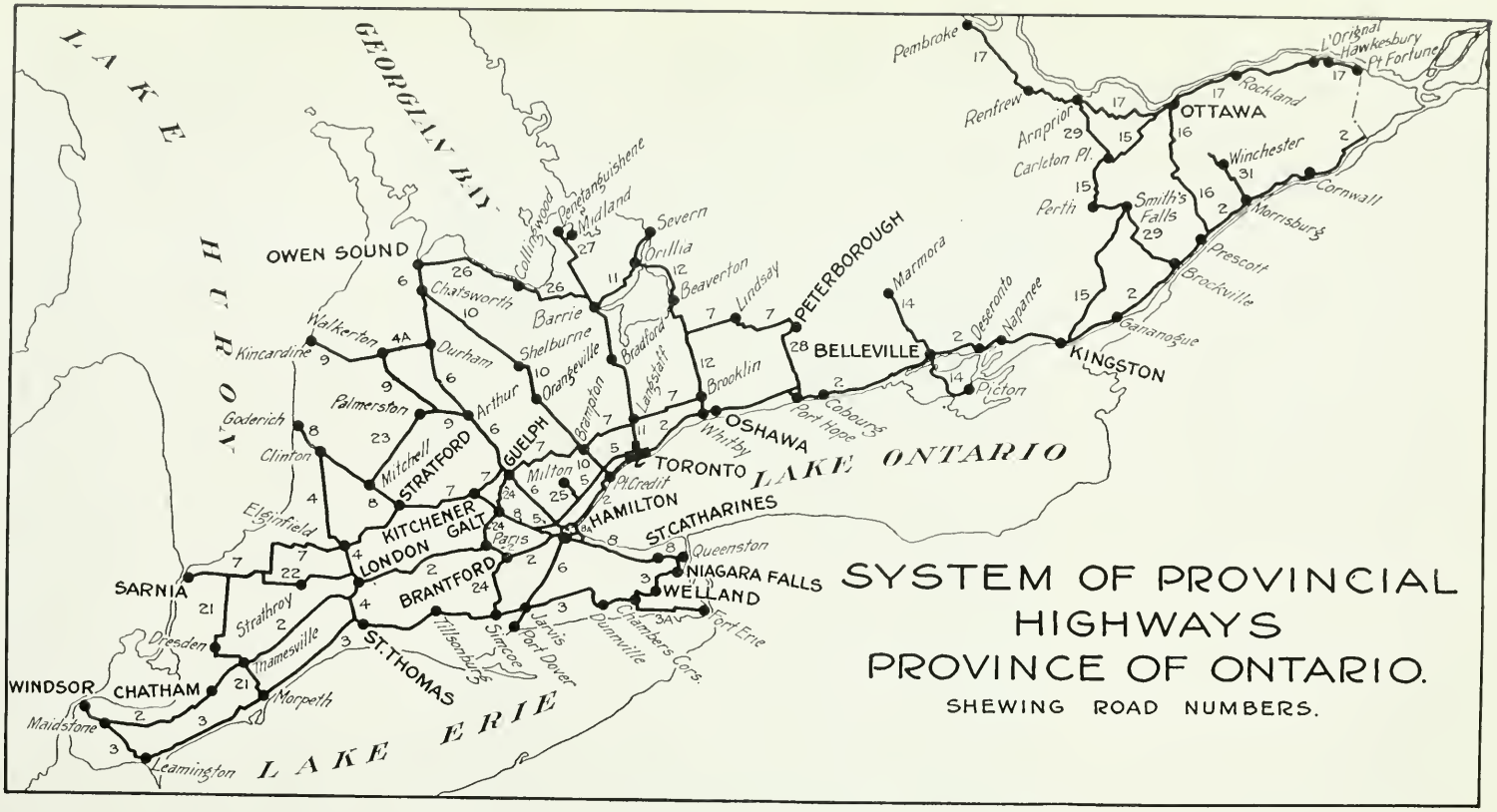
1926	1927
$14,161,774 90	$17,436,859 20

Revenue

	1926	1927
Gasoline Tax	$3,376,090 56	$4,032,941 72
Motor Vehicle Licenses	6,415,713 05	5,964,863 63
Miscellaneous Revenue	399,592 41	263,253 60
	$10,191,396 02	$10,261,058 95

*Estimated.

Deducting the above revenues from the net Government expenditure, leaves a total of $3,970,378,88 for 1926 and $7,175,800.25 for 1927, greater expenditure made by the Government than was collected from all sources of motor vehicle taxation.



The total mileage of the Provincial Highways System at the end of 1927 was 2371.21, the mileage being divided as follows:

Cement Concrete Pavement	576.9 miles
Asphaltic Concrete Pavement	264.4 "
Bituminous Penetration Pavement	228.5 "
Macadam Roadway	433.05 "
Gravel Road	868.36 "
Total	2371.21 miles

Report on Provincial Highways

Report upon the work of constructing and maintaining the Provincial Highway System for the years 1926 and 1927

A. A. Smith, Chief Engineer of Highways

Increase in Mileage

During the years 1926 and 1927 the Department assumed an additional 535.29 miles of provincial highway, making in all a total of 2,371.21 miles.

The increases in the various types of road surfaces are shown in the following table:—

	Previous to 1926	End of 1927
Cement concrete pavement	355 miles	576.9 miles
Asphaltic concrete pavement	175 miles	264.4 miles
Bituminous penetration pavement	139 miles	228.5 miles
Macadam pavement	372 miles	433.05 miles
Gravel road	820.31 miles	868.36 miles
Total	1,861.31 miles	2,371.21 miles

Increased Safety by Improved Design

During the above-mentioned years many changes were made in the design and construction of road building by the Provincial Highway Department.

Mixed macadam. Reverse curve and checker board signs south of Caledon.

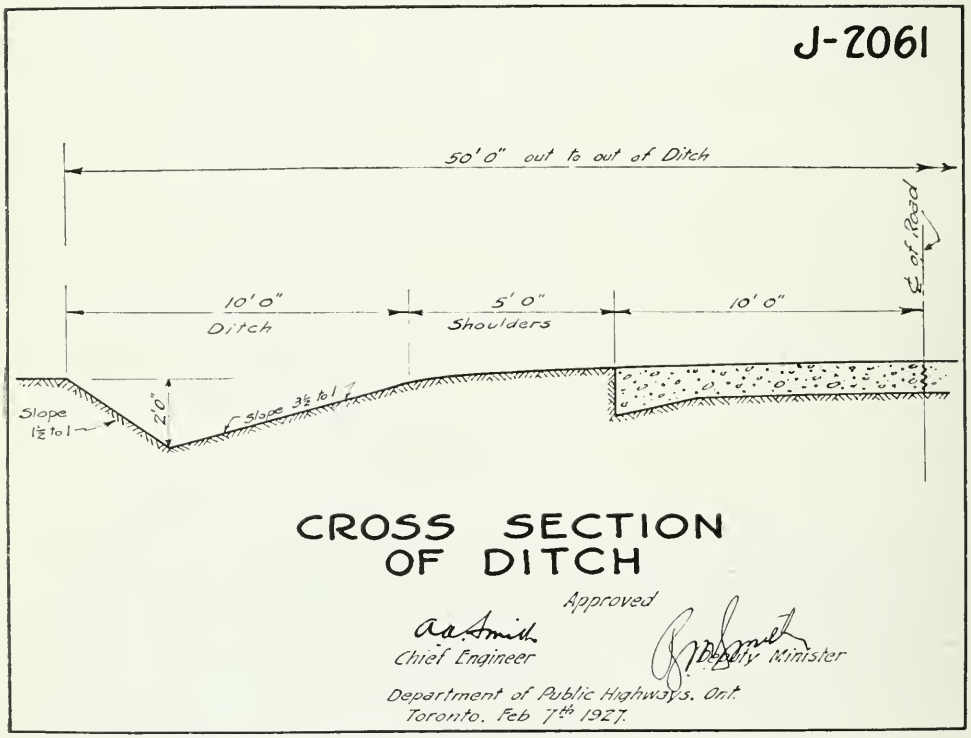
What previously was considered a safe curve is to-day looked upon as dangerous and consequently nothing less than a 500-foot radius with a super-elevation of from 12 inches to 30 inches on the pavement itself is considered, unless physical conditions absolutely prevent it.

Profiles of our highways are being improved each year. What was considered an easy grade on a hill is now considered too steep and to-day a maximum of four and five per cent. grades is aimed at on all of our main highways.

An effort is being made at the present time to eliminate danger on crests of hills by increased cutting, making better vision and thereby preventing head-on collisions.

Ditches on curves are being gradually eliminated by tiling. Also side slopes of ditches next to the road are constructed, where possible, with a $3\frac{1}{2}$ to 1 slope instead of a $1\frac{1}{2}$ to 1 slope, making it more difficult for cars to overturn.

At the ends of all dangerous curves several warning devices are being placed, consisting of checker boards, redflex and symbol signs. Guard-rails are also placed around the outside of the curves.



The pavement on the curve itself has been widened anywhere from one to three feet. An attempt is being made to have all advertising signs removed from the vicinity of curves, so as not to distract the attention of the driver.

Development in Construction Details and Design

In building pavements, the Department endeavours to use local material wherever obtainable.

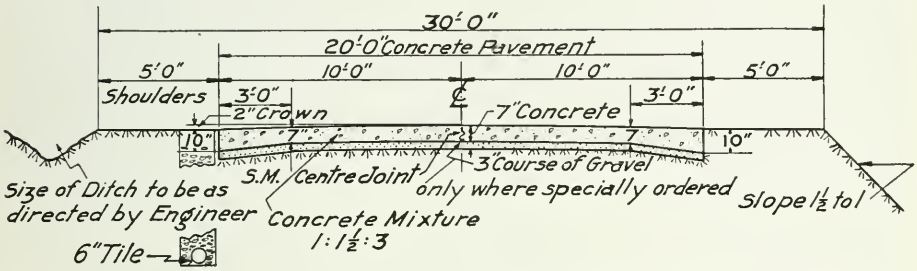
Concrete Pavement

For concrete pavements the gravel after being washed must be screened and again recombined to provide the required proportions.

Concrete pavements are constructed to a different design to those previously built. The depth of the concrete is now 10 inches at the edges and 7 inches at the centre. Transverse joints are no longer placed across the pavements, all contraction cracks being taken care of by the steel longitudinal centre joint, running the whole length of the pavement.

Materials are no longer permitted to be dumped on the sub-grade. They must be transported direct from the sidings or bins and placed in the hopper of the concrete mixer, thereby eliminating the chance of getting foreign material in the mix.

On account of the various changes made, it is felt that the class of road being built to-day is a vast improvement over the older types.



Many contractors have supplied themselves with a quantity of up-to-date equipment for the construction of concrete roads, including surface finishers, machines for the preparation of the sub-grade, for the preparation of the gravel to receive the forms, light railways for transporting material to the road, up-to-date gravel washing plants and various approved types of concrete mixers.

All this improved equipment facilitates the work of the contractor, so that with the accumulation of experience and their desire to make a good job, they are giving us the better results which are desired.

Mixed Macadam Pavement

A new type of pavement introduced by the Department in 1926 and known as "mixed macadam," is giving excellent results. Its main advantage is that detours during construction are entirely done away with.

Instead of the travelling public having to go anywhere from one mile to eight miles out of their way, over perhaps a narrow, dangerous and oftentimes a muddy road, they are permitted to drive right through the work while it is underway.

This method saves many thousands of dollars to the Department which would be expended in maintaining detours.

There is in addition the saving of time to the public and the avoidance of much wear and tear on the cars.

This type of pavement has a non-skid surface. It is very easy to maintain. Should settlement to the sub-grade occur, another light coat of the same material or cold patch can be placed upon it and brought up to the required surface level at a small extra cost, and without inconvenience to traffic.

The road is built in two courses, the base being 3 inches in depth and the top course 3 inches consolidated. The constituents of the mixture are approximately as follows:—

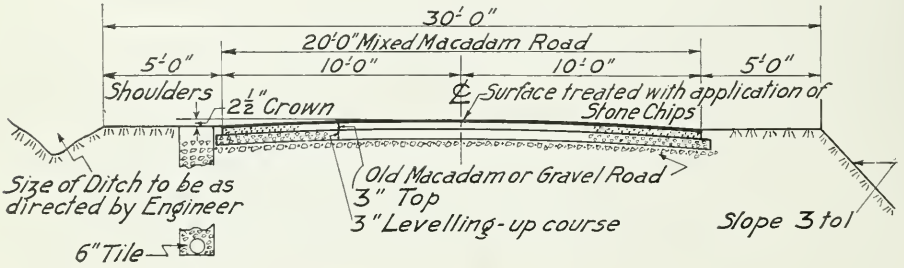
Stone passing 2-inch ring and retained on 1-inch screen	10–35%
Stone passing 1-inch ring and retained on ¼-inch screen	30–50%
Stone passing ¼-inch ring	35–45%
Bituminous asphalt cement	4– 6%

The materials are mixed in an approved asphalt plant and laid on the road at a temperature of 225° to 325°F.

After the top course is rolled and while it is still hot, chips are spread over the surface and the surface is again rolled.

Old bituminous penetration road on the Hamilton-Queenston Highway surface treated in 1927 with ⅓-gallon Heavy Cutback Asphalt and 15 pounds stone chips and coarse sand per square yard.

When the pavement is completed a surface treatment is applied. All materials are weighed and contractors are paid a tendered price per ton of mixed material delivered and consolidated on the road.



Traffic Bound Macadam

On many sections of the provincial highway we are faced with the scarcity of gravel and oftentimes with the absence of any road building material whatsoever.

On these sections the Department has tried out what is known as "traffic bound macadam," which consists of crushed stone passing a 1¼ inch circular screen, spread on the sub-grade to a depth of from 2 to 3 inches, and then maintained in the same manner as a gravel road.

This gives a traffic carrying surface until such time as the new fills are completely settled.

This type of construction is quickly built and has been found most economical and beneficial. It also supplies a good base for a higher type of pavement which follows.

Gravel Road

After culverts have been built and new grades prepared, gravel which passes a 1¼-inch ring, is applied evenly to a width of 20 ft. and to a depth of from two to three inches. The gravel road of to-day consists of a smooth, wide and flat-crowned road, and if properly maintained provides one of the most pleasing surfaces over which to drive.

Gravel road maintained by ordinary dragging. Treated with ¼-gal. gravel dust-laying oil. Langstaff-Brooklin Highway.

In order to obtain the best results, the surface must be dragged continuously by the use of steel drags or road maintainers, drawn by horses or power units. Those driven by mechanical means have proved to be most efficient and economical. They are much heavier, have several cutting blades, and scarifier attachment. One of these maintainers will take care of from 15 to 25 miles of road.

Dust Layer

On gravel roads carrying traffic of 2,000 vehicles per day, it is estimated that about 1,000 cubic yards of gravel per mile per year will be blown off the road into the adjoining fields and lost for highway purposes. To prevent this great loss in material the Department has tried out two kinds of dust-layer. A light asphaltic road oil is applied to the gravel surface in quantities of not less than one-seventh and not more than one quarter gallon per square yard, depending upon the class of gravel on the surface. The cost averages $300 per mile.

As an alternative method flake calcium chloride, is applied evenly in quantities of one and one-half to two pounds per square yard. The cost being also about $300 per mile.

"V" type snow-plow

By using dust layer there is a tendency for the gravel to mat and produce a pitted surface. This must be carefully watched and may require light scarifying at times.

It has been the aim of the Department to produce a more permanent dust-laying surface, having the same driving qualities, and always keeping in view the conservation of materials and the economical cost of same; consequently, a type has been developed known as the "Bituminous treated surface" or "Mulch method." The surface must have not less than three inches of loose gravel. This is treated with either Tarvia B or 60 per cent. or 80 per cent. asphaltic road oil, using approximately one-quarter imperial gallon per square yard. The gravel after treating is then windrowed to one side of the road and the old road

base is given an application of bitumen at the rate of one-quarter imperial gallon per square yard. The gravel windrow is then moved back evenly over the road and continuously dragged until same has been consolidated by the traffic. This type of road costs approximately $3,000 per mile.

Snow Clearing

On account of the enormous increase of motor car, truck and bus traffic during the winter months, the Department has been faced with the necessity of keeping the main roads open all year. No attempt was made until the year 1920 to keep the roads clear of snow except for sleigh traffic. In that year, however, $1,486 was expended for this purpose and the results obtained appeared to be adequate for that time.

Rotary type snow-plough.

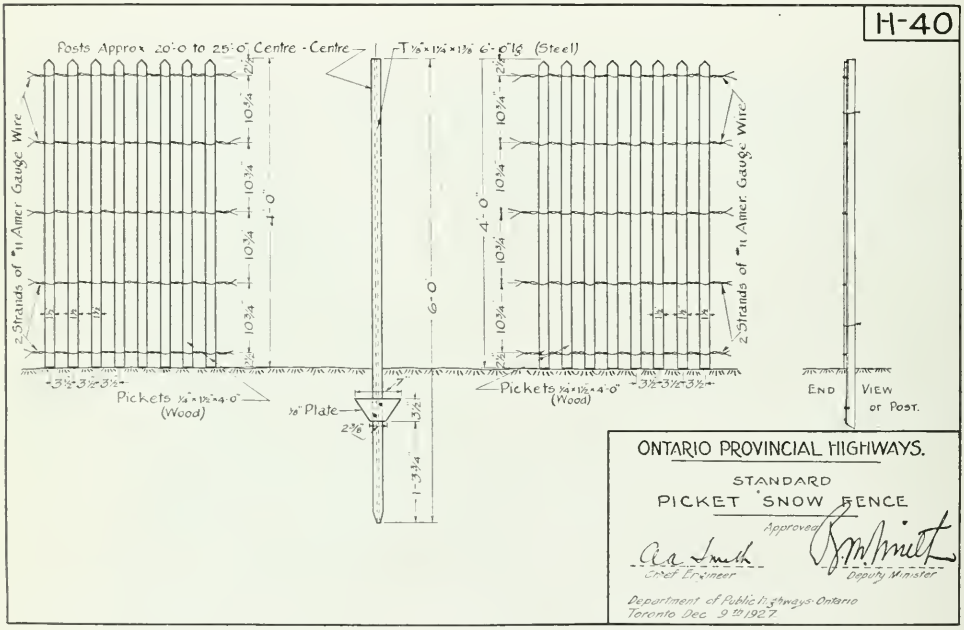
Increased pressure from motorists made the requirements each year more difficult to meet. But, our highways having been widened, old rail fences cleared off and new wire fences installed, bushes thinned, weeds cut and smooth road surface maintained, we have been usually able to combat snow conditions.

Each succeeding year brought its increased demands for open roads until the winter of 1926-27 when the Department was called upon to expend $64,640 for this purpose. During the winter of 1927-28 the maintenance costs were $104,441. For this sum the Department kept open 1,200 miles of provincial highway for all traffic throughout the winter. This works out at approximately $87 per mile.

Various types of snow fences have been tried, but it is felt that to-day the wire picket fence is the most economical and effective.

Snow-removal equipment of various types has been used, including rotaries, nose and blade plows, all of which are attached to a heavy truck, preferably the four-wheel-drive type. The rotary plows are preferred where the snow is the deepest and where the highway parallels a radial line and the snow has to be thrown clear of the tracks.

During the year 1927-28, the Department owned and operated eight distinct snow-fighting units and rented twelve trucks which were equipped with necessary plows. These units were given beats varying from 40 to 80 miles in length.



Maintenance

The Department to-day is faced with the task of maintaining the pavements already constructed. In the past insufficient attention has been given to this work. Maintenance begins directly the road has been constructed. Highways are divided into patrols and one man is given anywhere from five to thirty-five miles to look after (the length of his beat depending on the type of road).

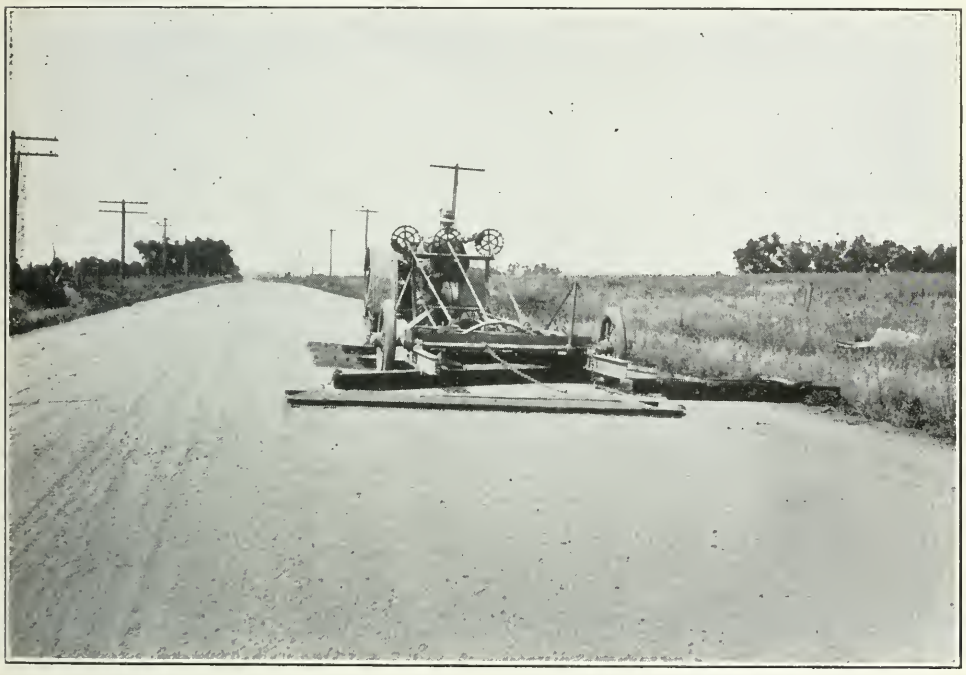
The patrolmen work under the direction of the resident engineer.

They are instructed that "Safety First" is to be their main thought. No bumps or holes in the road surface are tolerated and the entire road allowance between fences must be kept clean and tidy and free from noxious weeds.

Any credit which comes to the Province through the good condition of the roads is thus attributable in a large measure to the work of the faithful patrolmen.

PROVINCIAL HIGHWAY CONSTRUCTION, 1926

During 1926 an extensive programme of construction was carried out on the provincial highway system under rather adverse weather conditions. At the same time a programme of maintenance, greatly increased over previous years, was carried on. All gravel roads throughout the system were renewed where necessary and continuous dragging operations carried out. All macadam roads were surface treated and pavement joints were filled and cracks patched where required. The construction work done in 1926 construction season may be briefly summarized as follows:—



Modern gravel road maintenance.

Cement concrete pavement	80¼ miles
Asphaltic concrete pavement	11 "
Mixed macadam pavement	14⅓ "
Bituminous penetration pavement	47.1 "
Macadam	27¾ "

On Road No. 2, east of Toronto the unpaved sections from Newtonville to Newcastle and Trenton westerly to just east of Grafton, about 27½ miles in all, was completed. This, with the exception of a 2¾-mile unpaved section at Grafton, gives continuous pavement either asphaltic concrete or concrete between Belleville and Toronto.

From the end of pavement three miles north of Whitby, an additional 3½ miles of concrete pavement were laid, and on the same road a mile of concrete was laid at Oakwood.

West of Toronto, the following sections of concrete pavement were constructed:—

1 mile on the Burlington Beach Road.
9 miles easterly from Thamesville.
7½ miles between Comber and Ruscomb.
4½ miles north from Leamington, which completed the pavement between Windsor and Leamington.

West of Sheddon, on Highway No. 3, pavement was extended two miles, and north of London a small section completed also, three miles north from St. Mary's. On the Stratford-Goderich road, six miles were laid from Goderich south-easterly, and also five miles between Mitchell and Dublin. The concrete pavement north of Guelph was constructed a further distance north of six miles towards Fergus.

Black base, sheet ashpalt top, Yonge Street.

Over 25 miles of asphaltic concrete pavement and mixed macadam was laid during 1926. East of Toronto, on the Kingston-Montreal road, 5.4 miles of mixed macadam was laid between Carleton and Johnstown, and the same type of pavement between North Gower and the Rideau river. With the paving of this latter section, a continuous pavement exists between Ottawa and the Rideau river on the Ottawa-Prescott road.

North of Toronto, mixed macadam, with a 1-inch asphaltic concrete top, was constructed north from Fennel about three miles on the Toronto-Barrie highway. A similar type of road was constructed on the Niagara Falls-Welland road from Welland northerly 6.4 miles, completing the pavement between Niagara Falls and Welland. Asphaltic concrete was also laid from Wardsville to Strathburn on Highway No. 2. This completed the last link between Toronto and Windsor.

Bituminous penetration pavement was laid between Kingston and Cataraqui; for 3½ miles west of Gananoque; 3½ miles east of Lansdowne; several miles at Mallorytown; 3½ miles at Yonge's Mills diversion; about four miles in the vicinity of Iroquois and Morrisburg, and slightly under four miles from a point three miles east of Cornwall easterly.

Bituminous penetration pavement was also laid south from Pembroke for about five miles; and on the Ottawa-Point Fortune, several miles at Wendover, and 4¾ miles east from Alfred village; also half-mile at Stittsville village on the Ottawa-Carleton Place section.

West of Toronto, 7.3 miles of bituminous penetration were laid north from Brampton, and 4.41 miles between Renton and Simcoe; also four miles from Georgetown northerly.

Macadam roadway was laid in the following sections:—3.2 miles south from Belleville Bay bridge, and also a mile at Bloomfield on the Belleville-Picton road. On the Port Hope-Peterboro road, 5.24 miles was built between Fraserville and Baillieboro.

West of Toronto, on the Guelph-Brampton road, six miles of macadam was laid from Norval westerly; on the London-Chatham section, from Wardsville east to Kent County west limits, about 5¼ miles; and on the Orangeville-Owen Sound road, from Melancthon northerly, six miles of macadam was completed; also about 3½ miles east of Kincardine, on the Arthur-Kincardine section.

Grading operations were carried out east of Toronto on the section between Portland and Lombardy, and from Joyceville to north of Seeley's Bay, on the Smith's Falls-Kingston road.

West of Toronto, grading was done south from Chatsworth, on the Hamilton-Chatsworth road; north from Markdale, on the Brampton-Owen Sound road, and a big cut made at Caledon mountain. At the south-east entrance to Hamilton, the Windermere cut-off was partially graded and a creek bridged.

A detailed schedule of construction is given in Appendix No. 1 and a schedule showing the division of costs between the Province, the counties, cities and separated towns in Appendices Nos. 3 and 4.

PROVINCIAL HIGHWAY CONSTRUCTION, 1927

In 1927, the following construction was carried out on the provincial highway system:—

Cement concrete pavement	129.6 miles
Asphaltic concrete	15 "
Mixed macadam	45.7 "
Penetration	30.5 "
Macadam	16 "

Concrete pavement was laid east of Toronto, as follows:—A small section at Grafton; 7.67 miles between Brooklin and Manchester; and 3¼ miles south from Bewdley on Port-Hope-Peterboro road; 5.34 miles south from Arnprior on the Ottawa-Pembroke road.

West of Toronto, on No. 3 Highway, 11.5 miles of concrete was laid from Simcoe to Delhi, giving continuous pavement or macadam roadway from Niagara Falls to just east of Delhi. From Courtland west, 4.4. miles were paved with

concrete, and likewise 5 miles east from Aylmer; 8.3 miles of concrete were laid from Wallacetown easterly; further west on No. 3, both east and west of Port Alma, a section of concrete 10 miles in length was laid, and 8.3 miles between Wheatley and Leamington.

On the London-Sarnia road, 10.66 miles of concrete were laid, giving continuous pavement from Sarnia to Warwick; and at the London end, concrete was laid from Hyde Park Corners to Lobo, nearly 6 miles. North of London, on the Proof Line road, concrete was laid from Birr south about 4½ miles.

On the Guelph and Goderich road, over 6 miles of concrete pavement was laid between Dublin and Clinton; also between Seaforth and Mitchell; and from the Wellington County line westerly about 6.6. miles. This only leaves two sections to pave on this road.

Concrete pavement was also laid south from Fergus, completing the pavement north from Guelph as far as Fergus; south from Acton; at Clifford and Mildmay; north and south from Shelburne, and at Hamilton east entrance.

Asphaltic concrete, consisting of mixed macadam base with a 1-inch asphaltic concrete top, was laid from Barrie south for 9¾ miles; also three miles north of Aurora, and small sections at Richmond Hill and Wardsville village.

Mixed macadam, with a seal coat, was laid on the Port Hope-Peterborough road from Peterborough southerly 9½ miles to Fraserville; and on No. 2 Highway, east of Kingston, 6.6. miles was laid immediately east of Gananoque; 5-1/3 miles at Mallorytown; 4.6 miles along the canal bank roads near Cardinal, and 7¾ miles east of Morrisburg.

Bituminous penetration pavement, which is usually laid with a levelling-up course of 4-inch stone, on which, after consolidation, a 3-inch consolidated penetrated top was laid, was built south of Pembroke for about 3¼ miles on the Ottawa-Pembroke road; on the Ottawa-Point Fortune road, 2 miles near Alfred and 7½ east from Wendover were completed; on No. 2 Highway, 1 mile at North Lancaster and 2½ miles at Mallorytown.

West of Toronto, 8¾ miles of bituminous penetration was laid between Brampton and Georgetown, also the approaches to Caledonia bridge; 5 miles of macadam at Wardsville had a penetration top added.

Macadam roadway was laid east from Kincardine for about 7 miles, and 9 miles between Joyceville and Seeley's Bay on the Kingston-Smith's Falls road.

Some of the more important grading operations were the cut-off from Clappison's to Galt road; the filling of eight spans of Belleville Bay bridge; widening Yonge Street north of Schomberg; construction of diversion at Portland, and also south of Pembroke near Cobden.

A large bridge at Plantagenet over the Nation river was completed, and a 650-foot bridge was built at Caledonia over the Grand river.

In addition to construction operations carried out under contract for the most part, an intensive programme of maintenance on the provincial highway system was handled by day labour under departmental employees. This work included such operations as pavement repair, gravelling operations, scarifying, grading of deviations, maintenance of detours, dust-laying operations, installation of tile drains and side-entrance tile, road dragging, shoulder trimming, weed cutting, fence moving, guard-railing erection, and painting of symbol signs, guard-rails and bridges.

A detailed schedule of construction is given in Appendix No. 2, and a schedule showing the division of costs between the Province, the counties, cities, and separated towns in Appendices Nos. 3 and 4.

Report on Bridges Completed on Provincial Highways

A. B. Crealock, Bridge Engineer

While the bridge construction programme in point of number of bridges built was not as large as it had been during the three previous years, this part of the work was by no means slighted. In the period covered by this report there were seventeen bridges completed, amongst which were some very important structues.

The use of concrete as a bridge material had been adopted to as great an extent as possible some two years previously and the years 1926 and 1927 saw this material being used for several large multi-span structures. In the year 1926 the first concrete bow-string girder on the Provincial Highway System was opened for traffic.

The bridge over the Grand river at Freeport was completed in 1926. This structure is composed of seven similar concrete bow-string girders, each of approximately seventy-two feet span, and at the time of its opening was the largest structure of its type in Canada.

The Dredge Cut bridge, which spans a municipal drain a few miles west of Chatham, on No. 2 Highway, was also completed and opened. Highway No. 2 is the main highway from one end of the Province to the other and is a very heavily travelled road. The old structure at this point was very narrow and, in order to cross the stream which intersected the line of the highway at an acute angle, had been built with a sharp reverse curve at each end of the bridge. This created an extremely dangerous condition and in the replacement of this structure the line of the highway was kept straight throughout. This necessitated a four-span structure about two hundred and ten feet in length to cross a stream about seventy feet in width. The resulting structure and alignment is worthy of particular mention as the dangerous conditions prevailing have been entirely removed.

In the spring of 1926, an old stone arch in the town of Dundas, which had been in existence for over half a century, was washed out and traffic on this road had to be suspended. The construction of a temporary bridge was rushed and in four days this was completed and traffic was resumed on this road. Plans were immediately prepared for a new structure and this was built and completed during the summer.

Among other work constructed during 1926 might be mentioned extensions to three other bridges at various points in the Province, whereby narrow structures were widened, making them safe for present-day traffic.

A subway under the Canadian Pacific Railway, on the Guelph highway at the north of Cooksville, was also constructed and opened in 1926. This removed one more of the dangerous level crossings that exist throughout the Province.

During 1927, ten bridges were completed, of which seven were important structures and should receive special attention. The first of these is located in

the village of Delhi and is a reinforced concrete bow-string girder, having a span of one hundred and four feet and eight inches and being provided with a twenty-four-foot roadway and two sidewalks.

The village of Plantagenet is located about forty miles east of Ottawa on the Montreal road. The South Nation River runs through this village and was crossed by two old steel bridges which were narrow. The road through the village was also narrow and had a bad right-angle turn. In the reconstruction of these bridges a new location was used which had easy curves and on which the width was up to provincial highway standard. There were two bridges erected on this diversion. The main structure is a double span structure built of reinforced concrete of the bow-string girder type. Each span is about 119 feet in length and these are the longest spans of this type built on the system. The

Concrete Bowstring Girder Bridge, Plantagenet. Completed 1927.

cross-sections provide a roadway twenty-four feet in width and one six-foot sidewalk. The second bridge is over a by-pass from the main stream and is a concrete girder bridge of thirty-four-foot span and provides the same width of roadway and sidewalk as the main structure.

The bridge constructed on the Windermere Cut-off is a steel truss with a span of eighty-two feet and provides a roadway thirty feet wide and two six-foot sidewalks. This structure is really built out in Burlington Bay and is supported on concrete abutments extending about fifteen feet below water level which are in turn supported on piles. This bridge, together with about four-fifths of a mile of road, forms the Windermere Cut-off and connects Burlington Beach

with the east end of the city of Hamilton. The building of this cut-off eliminated level crossings with nine railway and radial tracks, and from this standpoint alone has well served its purpose.

The structure at Caledonia is the longest concrete bridge on the system, exceeding the length of Freeport bridge opened in 1926, by 151 feet. This bridge is over the Grand river and is composed of nine spans with an overall length of 653 feet. Construction of this bridge was started early in June and the bridge was completed and opened for traffic on November 19th, some two weeks before the scheduled time. The construction of a bridge of this length containing some 2,400 cubic yards of concrete, of which 1,200 cubic yards were reinforced, the placing of 176 tons of reinforcing steel, the building of the temporary bridge, the removal of the old bridge, the grading and surfacing of the approaches, together with other incidental work such as erecting light standards, etc., in a period of 140 working days constituted a record for this part of the country at least.

The Department has for a number of years kept up a steady rate of progress on the replacement of the old structure over Belleville Bay which connects the mainland and the city of Belleville with Prince Edward County. The work on this structure for 1927 consisted of the replacement of the two northerly spans by new steel bridges and the filling in of spans Nos. 7, 8, 9 and 10. This com-

Complete Structure of New Bridge, Caledonia, November, 1927.

pleted the work for a distance of over 1,000 feet from the north end and leaves a distance of 780 feet still to be replaced either by fill or by new bridging.

A new steel bridge of eighty-two feet span was built on the Cobden diversion. This diversion provides a new route between Renfrew and Pembroke which follows the west side of Muskrat Lake and shortens the distance between these two towns by several miles. The concrete abutments for this structure were supported on timber piles. This type of construction was required due to the yielding nature of the sub-soil, the bridge being located in marshy ground.

A small concrete bow-string was also built in 1927 over Nash Creek on No. 2 Highway just east of Morrisburgh. Other structures completed in 1927 included extensions to Carp Bridge and La Fontaine Bridge on the Pembroke-Point Fortune Highway.

A resume of the work done on bridge construction during the years 1926 and 1927 shows that there were fewer bridges built during these two years than for some years previously, but that they included some of the most important structures that have been built on the provincial highway system.

The schedule of bridges completed on the provincial highways during 1926-27 will be found in Appendix No. 5.

ONTARIO AND THE MOTOR TOURIST

Report by K. A. Cockburn, Secretary

In order to obtain more definite information on which to base an estimate of the value of the motor tourist traffic, the Ontario Department of Public Highways during 1926 distributed through the customs officers a number of questionnaire postcards. These postcards requested the co-operation of the tourist, and asked them to oblige the Department when leaving the Province by filling in the desired information and mailing them to the Department. The questions on these cards were as follows: 1. Why did you come to Ontario? 2. Did you camp or stop at hotels or summer resorts or with friends? 3. How many persons in car? 4. How many days spent in Ontario? 5. How many miles covered? 6. Amount of money spent. 7. Remarks and criticisms.

The response to this request was very gratifying and the Department believes that a sufficient number of cards was received on which to base very fair estimates.

The answers to Question 1, "Why did you come to Ontario?" showed 10 per cent. came to visit friends and 12 per cent. to visit relatives, while 5 per cent. passed through Ontario because it afforded the shortest route to their destination. It would thus appear that the remaining 73 per cent. came to Ontario on account of our natural attractions. Of these latter, 54 per cent. gave their reason as touring or sightseeing in general, 4 per cent. to see Niagara Falls, 6 per cent. to see the Canadian National Exhibition, and 9 per cent. for fishing.

Question 2, "Did you camp or stop at hotels or summer resorts or with friends?" It was not possible to compile any definite information in this regard as in a great many cases motor tourists used all three methods of accommodation.

Question 3, "How many persons in car?" It was previously estimated by this Department that three persons per car was the average number of occupants. This census bears these figures out very closely as 3.2 persons per car is the number arrived at.

Question 4, "How many days spent in Ontario?" In figuring the number of days spent in Ontario, tourists entering the Province for 24 hours or less and also those coming for from one to six months have been disregarded, and only the figures taken into account of tourists using a thirty-day permit. Our census shows that this class of tourist stayed in Ontario for an average of seven days. This is one more than our previous estimate.

Question 5, "How many miles covered?" A Departmental estimate in this regard had not previously been made, but the information we now have would point to an average mileage per car of 528 miles.

Question 6, "Amount of money spent." Five dollars per day per person was our previous estimate of this expenditure. This figure is remarkably close, as the returns show the average expenditure per person to be $34.95 covering a seven-day visit.

We have no definite information on the amount of money spent or distance covered by the tourists staying in Ontario for less than twenty-four hours or for those staying longer than thirty days. Assuming that cars entering Ontario for twenty-four hours or less contain the same number of passengers (that is 3.2), and that the expenditure per person amounts to $1.00, we have an expenditure per car of $3.20. During 1926, 1,289,412 entered Ontario under these twenty-four-hour permits and on the above assumption, spent a total of $4,126,118.40. In the case of cars entering Ontario for periods of from thirty days to six months, we estimate that the average stay would be thirty days, with 3.2 persons per car and the expenditure $5.00 per day per person. On this basis the value of this class of tourists would amount to $480.00 per car. There were 2,112 cars taking advantage of this extended permit and the revenue from them may be estimated as amounting to $1,493,760.

Taking the figures from our returns, we find that the average expenditure per car entering on a thirty-day permit amounted to $111.94. As there were 263,114 cars belonging to this class of tourist, the revenue received may be estimated as amounting to $29,452,981.16, making a total of $35,072,859.56.

In all, we believe that this total of $35,072,859.56 may be regarded as a quite conservative estimate of the amount of money spent in Ontario by motor tourists.

From the average number of miles per car (namely 528) and on the assumption that the gasoline consumption is twenty miles to the gallon, we arrive at an average gas tax per car of 79c or a total direct revenue to the Province from two to thirty-day tourists of $181,154.90. Say four times this amount of $3.20 per car from the one to six-month tourists and estimating an average of 10c a car gas tax from the twenty-four-hour tourists we arrive at a total estimated gas tax from motor tourists amounting to $316,170.30.

Other interesting information compiled from these cards would appear to show that 45 per cent. of the tourist traffic originates in the two states having direct access by motor to southern Ontario, namely New York and Michigan, adding Ohio the total is raised to 58 per cent., adding Pennsylvania to 68 per cent., and Illinois to 76 per cent. Thus it would appear that over three quarters of motor visitors come from five states of the Union.

In connection with remarks and criticisms, it is particularly gratifying to note that 21 per cent. of the cards received mentioned the courteous treatment received from Ontario people, the police and customs officers in particular. Equally gratifying is the fact that 29 per cent. commented on the excellence of our roads. Other remarks outstanding on account of the numerous tourists commenting were the prosperous appearance of our country and the beautiful scenery of our Province.

Criticisms were remarkably few, only six correspondents in all complaining of the detours encountered. The most noticeable criticism dealt with our speed limit of 25 miles per hour—in every case this limit being declared to be much too low. This is a matter, however, that at the 1927 session of the Legislature has been altered, the speed limit having been increased to 35 miles per hour.

Motor Tourist Traffic, 1927

Using the same basis for purposes of estimating as employed for the year 1926, we arrive at the following revenue:

For a period not exceeding 24 hours	$6,401,276 80
For a period not exceeding 60 days	46,336,328 72
For a period 60 days to 6 months	718,080 00
	$53,455,685 52

It will thus be seen that there was an increase of at least 52 per cent. in the tourist traffic of 1927 over that of 1926.

Ports of Entry

Statement showing the number of foreign automobiles imported into Canada for touring purposes during the calendar year 1927, for periods of 24 hours or less, between 24 hours and 60 days, and between 60 days and 6 months; also the number of Canadian automobiles exported for touring purposes for the same year:

Port	Admitted for period not exceeding 24 hours	Admitted for period not exceeding 60 days	Exceeding 60 days and not more than 6 months	Exported for touring purposes
Aultsville, Ont.	2,249	4,850	.....	2,291
Bridgeburg, "	538,596	87,453	635	62,951
Brockville, "	3,009	6,572	13	2,156
Courtright, "	2,360	961	.....	181
Fort Frances, "	24,035	1,177	1	275
Fort William, "	.....	62	.....	2
Gananoque, "	233	4,837	3	627
Kingston, "	.....	842	10	231
Morrisburg, "	691	826	.....	932
Niagara Falls, "	752,361	124,980	126	103,486
Pigeon River, "	155	8,506	.....	2,023
Point Alexandria, "	13	93	.....	33
Port Arthur, "	.....	29	.....	23
Port Burwell, "	.....	1	.....	.....
Port Dover, "	.....	2,759	.....	207
Port Lambton, "	8,944	950	.....	380
Port Stanley, "	.....	1,272	.....	51
Prescott, "	6,854	10,181	9	6,385
Queenston Bridge, "	39,797	22,897	33	23,478
Rainy River, "	61	680	.....	450
Rockport, "	19	2,913	.....	112
Sarnia, "	40,854	33,775	31	8,660
Sault Ste. Marie, "	11,664	3,839	5	857
Sombra, "	6,550	633	.....	183
Toronto, "	.....	512	91	92
Walkerville, "	213,072	20,674	262	3,961
Windsor, "	348,882	71,664	277	7,731
	2,000,399	413,938	1,496	227,758

REGISTERED MOTOR TOURISTS

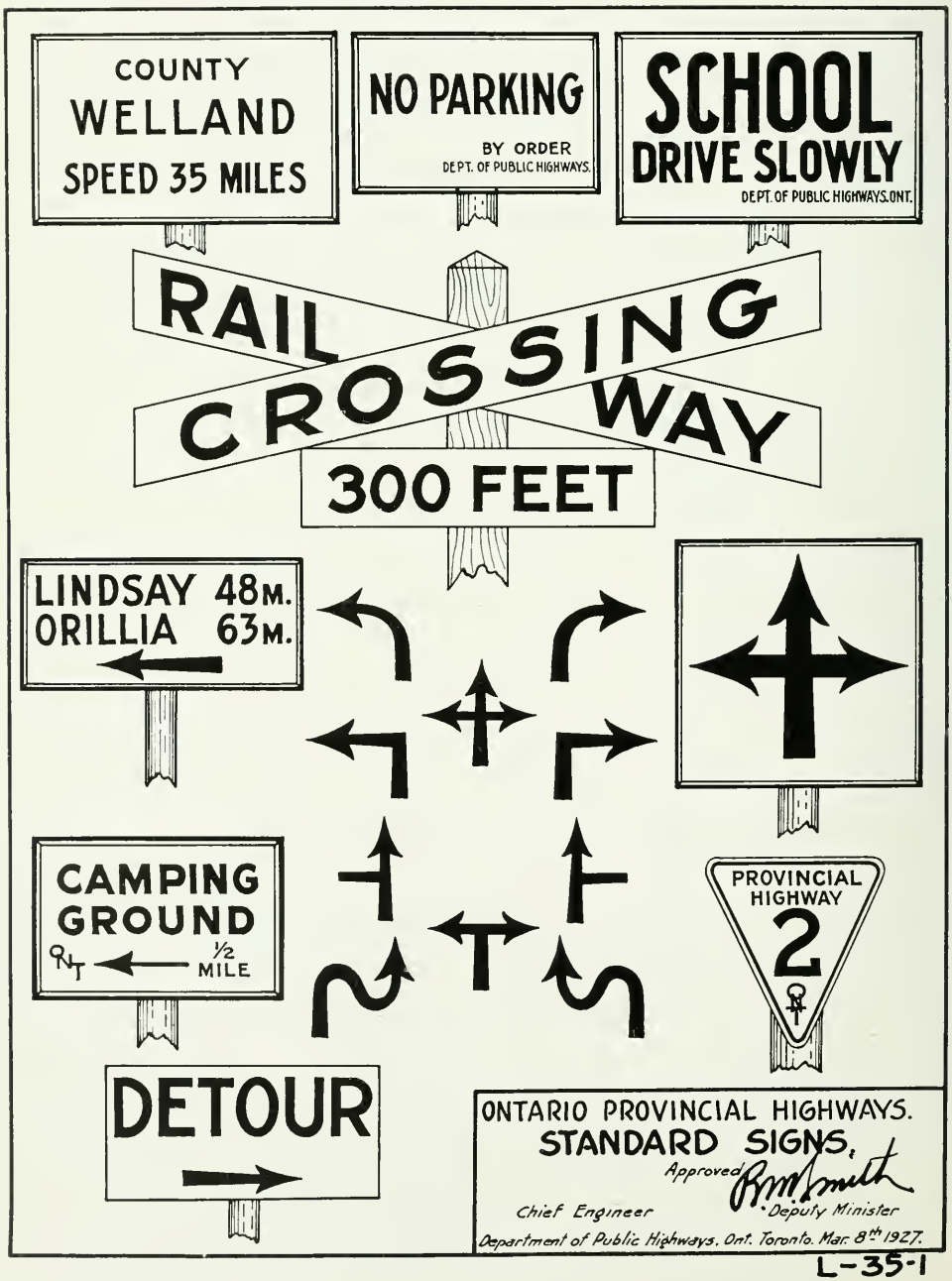
Statement of Motor Vehicles Admitted into Canada for Touring Purposes, 1924 to 1927

Province	Period exceeding 60 days and not more than 6 months				Period not exceeding 60 days				Period not exceeding 24 hours			
	1924	1925	1926	1927	1924	1925	1926	1927	1924	1925	1926	1927
Alberta	2	40	26	9	1,575	2,283	2,836	3,276	1,258	6,294	6,746	6,252
British Columbia	63	187	217	176	73,345	84,615	93,449	92,831	24,921	38,986	47,060	52,552
Manitoba	25	51	39	94	3,502	5,983	9,544	10,871	13,851	18,529	25,386	18,957
New Brunswick	124	193	176	41	6,605	11,682	14,233	22,971	236,641	476,555	51,024	136,172
Nova Scotia	104	162	171	590	409	532	638	469	Nil	Nil	Nil	Nil
Ontario	1,645	1,877	2,112	1,496	163,876	229,310	263,114	413,938	1,135,471	1,290,090	1,289,412	2,000,399
Prince Edward Island	12	12	20	3	Nil	8	7	17	Nil	Nil	Nil	Nil
Quebec	352	303	376	655	110,582	143,628	164,047	190,261	44,485	111,983	97,354	191,438
Saskatchewan	17	123	1,031	251	1,736	3,120	3,038	5,764	2,273	2,598	4,199	4,317
Canada	2,344	2,948	4,168	3,315	361,630	481,161	550,906	740,398	1,458,900	1,945,035	1,521,181	2,410,087

UNIFORMITY OF TRAFFIC REGULATIONS

Report by K. A. COCKBURN, Secretary

Ontario is fortunate in having all the major phases of traffic regulation throughout the entire Province controlled by the one Highway Traffic Act. In this way only local traffic problems are left for control by municipal by-law. During the past, however, considerable confusion arose through variations in local



traffic by-laws, and in order to overcome this objection an amendment to the Highway Traffic Act was passed in 1923 declaring that any by-laws passed by any municipal corporation which were inconsistent with the provisions of the Highway Traffic Act should be deemed to be repealed and that hereafter all by-laws for regulating traffic on highways shall be submitted to the Department of Public Highways for approval and shall not become operative unless so approved. The affect of this amendment was not very noticeable for the first few years. A series of standard clauses for insertion in municipal traffic by-laws was then prepared and circulated by the Department. The first draft of these standard clauses was amended and approved on April 19th, 1926, and is appended hereto.

Since the adoption of these standard clauses, they have been put into effect in practically every municipality in Ontario, to date 365 by-laws having been approved by the Department.

One very noticeable effect of this standardization is the stop signs, where in every case the wording and colouring is identical, the only variation allowed being between an octagonal sign or a square one. This uniformity has been very favourably commented upon.

In this matter of uniform traffic regulation, Ontario leads the way, as in no other province of the Dominion, nor in any state of the republic to the south, has such uniformity of traffic regulation been yet attained.

STANDARD CLAUSES FOR INSERTION IN MUNICIPAL TRAFFIC BY-LAWS APPROVED BY THE ONTARIO DEPARTMENT OF PUBLIC HIGHWAYS APRIL 19th, 1926

1. Definitions

(a) "Street" shall include a common and public highway, avenue, parkway, driveway, square, place, bridge, viaduct or trestle, designed and intended for, or used by, the general public for the passage of vehicles.

(b) "Vehicle" shall include motor vehicle, trailer, traction engine and any vehicle drawn, propelled, or driven by any kind of power, including muscular power, but not including the cars of electric or steam railways running only upon rails.

(c) "Park" as applied to a vehicle shall mean to allow the same to remain standing on a street for a longer period than — minutes (minimum 5 minutes) without a responsible person in charge.

(d) "Stand" as applied to a vehicle shall mean to stop for any period of time longer than actually required to take on or discharge passengers or merchandise.

(e) "Curb" shall include the edge of the travelled portion of the highway.

2. Police Control of Traffic

Absolute control of street traffic is vested in the police.

3. Keep Close to Curb

Vehicles moving slowly shall keep as close as possible to the curb on the right, allowing more swiftly moving vehicles free passage to their left.

4. Signals before Starting, Stopping or Turning

Drivers of vehicles before starting, stopping, turning or changing their course shall make sure that such movement can be made in safety and without obstructing traffic, and shall give a visible signal to persons driving vehicles behind them of their intention to make such movement.

5. Turning to Right

Drivers of vehicles intending to turn to the right into an intersecting street or highway shall first draw their vehicle in as close to the curb on the right as possible and turn the corner as sharply as possible.

6. Turning to Left

Drivers of vehicles intending to turn to the left into an intersecting street or highway shall first draw their vehicle out to the centre of the highway and continue beyond the centre of the intersection before turning.

7. Fire, Policewagons, Ambulances, etc.

The driver of a vehicle upon the approach or sounding of a signal of an ambulance, police vehicle, fire wagon, or other fire apparatus shall immediately draw up said vehicle as near as practical to the right hand curb and parallel thereto, and bring it to a standstill, and no vehicle shall follow any fire-fighting apparatus when responding to an alarm at a distance of less than 500 feet.

8. Street Cars and Fire Apparatus

The driver of a street car shall immediately stop said car and keep it stationary upon the rapid approach or sounding of the signal of a fire engine or wagon or other fire apparatus, provided that if on a street intersection such street car shall, if practicable, clear the intersection.

9. Blocking Traffic and Overloading

No vehicle shall be allowed to remain upon or be driven through any streets so as to blockade or obstruct traffic, and no vehicle shall be so overloaded that the horse or horses or motor power shall be unable to move it at a reasonable rate of speed.

10. Entering or Emerging from Doorways

No vehicle shall enter or emerge from an alley, stable, driveway or garage without giving a warning signal or at a rate faster than a walk.

11. Loading and Unloading

Whenever possible, vehicles shall be loaded or unloaded from the side and be parked within six inches of the curb. No vehicle shall remain backed up to the curb except during actual loading or unloading from it and in such case no longer than the actual loading or unloading required. The horse or horses attached to a vehicle backed up to the curb shall be turned at right angles to the vehicle and in the direction in which traffic on the street is moving.

12. Stopping at Crossings

Vehicles shall not stop on or obstruct crossings.

13. Stopping at Entrances.

No vehicle shall be allowed to stand in front of the entrance to a theatre, hotel auditorium, office building or any building where large assemblages are being held, or where goods or merchandise is taken in or out.

No vehicle shall stop so as to obstruct the entrance to any lane or driveway into private garages or into any building.

14. Parking

No horse or vehicle shall be left in such a manner as to obstruct the ordinary traffic of the streets, and no horse or vehicle shall be parked on any street an unreasonable time having regard to the traffic requirements of the street in question.

15. Parking near Intersections

No vehicle shall stand on the corners of street intersections for a distance of twenty feet back from the corner on each intersecting street, "corner" being defined as the intersecting right angle point of the curbs.

No vehicle shall stand on the corners of streets carrying street car or bus traffic for a distance of fifty feet back from the corner of each intersecting street. No vehicle shall stand on any portion of a street carrying street car or bus traffic within eighty feet of a point designated as a street car stop.

16. Parking near Hydrants

No vehicle shall stand within ten feet of a fire hydrant.

17. Parking on Bridges

No vehicle shall stand on any bridge within the municipality.

18. Manner of Parking Parallel to Curb

No vehicle shall stand on any street where there is a curb unless such vehicle is parallel to and the wheels and runners thereon are not more than six inches from such curb, or in winter, as near this as the conditions of the streets permit. On uncurbed streets standing vehicles shall be parallel to and as close as circumstances and weather conditions permit to the edge of the boulevard or sidewalk as the case may be.

19. Angle Parking

Where angle parking is indicated the angle shall be forty-five degrees and vehicles shall park with right front wheel against curb or the indicated line.

20. Parking on Narrow Streets

No vehicle shall stand or park directly opposite another vehicle which is already standing on the other side of the street, where the width of the vehicular travelled portion of the street, or the width between curbs is less than thirty-six feet, or where such standing or parking would prevent the free passage of two lines of traffic.

21. Parking on Street Car Streets at Rush Hours

Between hours of 5 p.m. and 6.30 p.m. no vehicle shall be allowed to stand or be parked on the (north or south) and (east or west) side of a street on which street cars are operated. (Side of street will depend on direction of homeward bound traffic.)

22. Parking and Traffic Signals

It shall be the duty of all drivers of vehicles to observe traffic signals, "no parking" signs, and other permanent or semi-permanent signal devices.

23. Parking Signs

None of the provisions of this by-law respecting parking shall come into effect until suitable signs have been erected, clearly indicating the parking restrictions.

24. Through Highways

The following streets are designated as "Through Streets" and, as required by subsection 2 of section 35 of The Highway Traffic Act, the operator or driver of every vehicle shall immediately, before entering or crossing any of these streets, bring the vehicle to a full stop.

The provisions of this section shall not come into effect until signs have been erected in accordance with the regulations of the Department of Public Highways.

25. Pedestrians

Pedestrians must not step from the sidewalk in crossing a street without looking in both directions and shall cross at right angles with the street. Pedestrians shall keep to the right when walking on the sidewalk.

It shall be the duty of pedestrians to observe the line of traffic at street intersections, and in cases where policemen are in charge directing the movement of such traffic, pedestrians shall observe the signal of such policemen and they shall not cross except at their own risk before the signal is given for the traffic to move in the direction indicated by the traffic officer.

Pedestrians shall not obstruct sidewalks or street corners and where three or more persons are congregated they shall be subject to the direction of the police.

26. Penalty

Any person violating any of the provisions of this by-law shall be subject to a penalty on conviction thereof in the discretion of the convicting magistrate of nor more than Ten Dollars ($10.00) for the first offence and to not more than Twenty-five Dollars ($25.00) for every subsequent offence exclusive of costs and all such penalties shall be recoverable under the Ontario Summary Conviction Act.

REGULATIONS RESPECTING STOP SIGNS

In pursuance of subsection 1a of section 36 of The Highway Traffic Act:

Stop signs shall conform to the standard approved by the Department of Public Highways of Ontario, with respect to size, wording, shape, colour and position.

SPECIFICATIONS FOR STOP SIGNS

Signs shall be 2 feet square, or octagonal, with the words "STOP" "THROUGH STREET" in black letters on a white background. Plain block letters 8 inches in height and 1¼ inches in thickness shall be used for the word "Stop" and letters 3½ inches in height and ½ inch in thickness for the words "Through Street." These words shall be printed in three lines.

LOCATION OF STOP SIGNS

"Stop" signs shall be erected not more than 6 feet back from the curb of the intersecting street, and on the right of traffic approaching a through street; not less than 15 feet nor more than 50 feet back from the curb of the "Through Street." The bottom edge of the signs shall be 7 feet above the ground level.

Report on Municipal Roads

Report upon the Work of the Municipal Roads Branch for the Years 1926 and 1927

ROBERT C. MUIR, Chief Engineer of Municipal Roads

COUNTY ROADS

Provincial aid to counties on road improvement is given through County Road Systems under the Highway Improvement Act.

Surface treated macadam road and patched with cold mixture.

The Highway Improvement Act was initiated in 1901, when an appropriation of $1,000,000 was made by the Provincial Government with a view to aiding the construction of county roads; the provincial subsidy being 33⅓ per cent. To-day the Province contributes 50 per cent. of the expenditure made on county roads, including construction, maintenance, machinery and superintendence expenditure.

Since the passing of the Highway Improvement Act, and to the end of 1927, a total of $79,365,551.86 has been expended on construction and maintenance of county roads, of which the Province has contributed $35,979,647.66. This includes the county expenditure of 1927, on which the provincial subsidy was paid in 1928.

A system of county roads has been established in each of the thirty-seven counties of the Province, although there are a few instances where only the more densely populated section of a county is included in the County Road System.

At the end of 1927 the Province was paying subsidies to the counties on 7,707 miles of county roads—approximately 14.8 per cent. of the total road mileage in the area covered by the County Road System.

Approximately 94 per cent. of the road mileage under the County Road System has been surfaced with gravel or other more permanent class of material.

Expenditure on county roads in 1926 was as follows:

	Total Expenditure	Provincial Subsidy
Construction		
County roads	$3,964,740 83	$1,977,400 07
Maintenance		
County roads	1,873,704 29	936,260 89
Total expenditure	$5,838,445 12	$2,913,660 96

The work on which the foregoing expenditure for construction was made included the following:

Grading		405.02 miles
Gravel roads	274.74 miles	
Waterbound macadam	81.50 "	
Bituminous macadam	18.75 "	
Cement concrete	11.18 "	
Asphaltic concrete	9.42 "	
Total surfaced	395.62 "	
Bridges over 10-foot span		82
Concrete slab culverts		244
Pipe and tile culverts		1,543
Tile underdrains		19 miles

In addition, approximately 1,600 miles of stone and gravel roads were resurfaced.

Expenditure on county roads in 1927 was as follows:

	Total Expenditure	Provincial Grant
Construction		
County roads	$5,154,437 09	$2,571,706 01
Maintenance		
County roads	$2,270,027 76	$1,135,013 87
Total expenditure	$7,424,464 85	$3,706,719 88

The work on which the foregoing expenditure for construction was made included the following:

Grading		613.45 miles
Gravel	375.28 miles	
Waterbound macadam	145.76 "	
Cement concrete	25.73 "	
Bituminous macadam	29.59 "	
Asphaltic concrete	19.19 "	
Total surfaced	602.18 "	
Bridges over 10-foot span		87
Concrete slab culverts		204
Pipe and tile culverts		1,691
Underdrains		38 miles

Maintenance

The maintenance of roads is now receiving special attention of the county organizations and in many of the counties a system of maintenance patrol has been created with very gratifying results. The engineers of the Department are encouraging the counties to devote more attention to the important need of maintenance and supply ample funds to protect the investment made in previously constructed roads.

Public Safety on Highways

Many of the counties have become aware of the fact that our roads are intended for the travelling public and that every reasonable means should be used to ensure passage over them. For the purpose of giving a clearer vision at road intersections many sharp turns have been eliminated at very little cost to the county. Also, several railway crossings have been eliminated or greatly improved, brush being cut to provide a clearer vision.

Culvert should be built to the full width of grade.

Road Accounting

A uniform system of keeping road accounts has now been established in every county. The procedure of auditing the books of the county officials by the Department has been favourably received by counties. It is essential that proper records be kept of the expenditure in order to build up an efficient organization. The Province is now contributing dollar for dollar on expenditure on county roads and is, therefore, vitally interested in how the money is expended.

County Road Committee

The limiting of the size of the County Road Committee by legislation to not more than five members is greatly appreciated by the counties in general. In the majority of counties, the Committee is now of some value to the road superintendent, and in addition the expense to the county is cut down con-

siderably. It is felt, however, in many counties that a committee composed of three members is ample; in fact the most efficient road committees we have consist of three members only.

Revision of County Road System

During the year 1925 the county road mileages were revised and reduced almost 20 per cent. with the intention of placing only those roads of some importance on the County Road System. Many of the counties could not provide sufficient funds to take care of the mileage under their jurisdiction. To-day it is pleasing to know that improvement is already noticeable in some counties where a substantial reduction was made in the mileage. Counties should be encouraged to retain the mileage they have at present and improve such before seeking further extensions. The Department is not adverse to adding more mileage to the County Road System if the county can take care of such additional mileage.

Road alignment change, county of Lincoln.

County Aid to Urban Municipalities

County aid to towns and villages has now been placed on a more uniform basis by legislation and is favourably received by the municipalities. The county now assumes the cost of the central 20-foot strip of roadway through urban municipalities not separated from the county on streets which are connecting links of the County Road System. The cost of the excess width over 20 feet and other special work is borne by the urban municipality. Provisions are also made whereby the county refunds to a town 50 per cent. and to a village 75 per cent. of the amount the town or village pays into the county for country road purposes. The Province contributes 50 per cent. of the expenditure made by the county, in or to, the urban municipality.

Improved streets within urban municipalities serve the best interest of the whole community. Their benefits are neither selfish nor individual. Their usefulness is not limited to those who live within the corporation boundaries, but rather is extended to the whole surrounding territory.

That street improvements should be made by the towns and villages in agricultural communities as rapidly as possible seems only fair for such improvements direct benefits to the agricultural communities upon which so much of the prosperity of these municipalities is dependent.

Economical municipal administration, inexpensive transportation, convenience and cleanliness demand paved roadways in towns and villages. The building of trunk highways to the limits of towns creates a new demand for pavements in the urban centres which must be met. The present Government, quick to recognize the necessity of placing the improvement of those streets within the urban centres which form connecting links of the Provincial Highway or County Road Systems, made provisions in the Highway Improvement Act, whereby the Province would assist the urban municipalities in improving such streets on a larger and more uniform basis than formerly.

As a result of the Province's liberal assistance to urban centres, twenty-two urban municipalities had permanent pavements constructed at the expense of the county under the new legislation during the years 1926 and 1927. The type of pavements laid, being cement concrete, asphaltic concrete on concrete or macadam base and bituminous macadam. In addition, other urban municipalities maintained the roads with the aid of the refund from the county.

Road Conference

The Thirteenth Annual Road Conference was held on the 20th and 21st of February, 1927, and was largely attended by county and township road officials. This conference is becoming more popular each year and is creating great interest among the township road superintendents. The discussion following the addresses were interesting and brought out much valuable information. Over two hundred county and township officials attended this conference and great interest was taken throughout the entire proceedings. In addition to the annual conference, many district meetings were held during the year, arranged either by the local municipalities or by the engineers of the Department. Such meetings were well attended and matters pertaining to road improvement were discussed and much information obtained. Such meetings are very instructive and are being encouraged by the municipalities.

Among the special features of road improvement effected during the years 1926 and 1927, the following works may be mentioned:

BRANT COUNTY

In 1926 four miles of 9-foot cement concrete pavement were laid on one side of a 28-foot gravel road. This class of construction has given excellent satisfaction in this county. In 1927 five miles of road were graded to a width of 28 feet and gravelled to 18 feet in width. In addition, the county constructed the William Street bridge in the town of Paris at a cost of approximately $38,000. The bridge is of steel design and consists of three spans, each 118 feet in length and with a 20-foot roadway and two 5-foot sidewalks. The Douglas Bridge was also constructed on a county road and consists of a steel superstructure having one span 88 feet in length and an 18-foot roadway.

BRUCE COUNTY

During 1926, in a series of sections, varying in length from 3 to 5 miles, 14 miles of gravel road 18 feet wide were constructed and road graded to a width of 26 feet. In 1927, 14.6 miles of road were graded to a width varying from 24 feet to 30 feet and 17.8 miles of road were gravelled to a width of 18 feet. Improvements over the earlier years of the system were very noticeable in this county.

CARLETON COUNTY

In 1926, one and one-half miles of bituminous macadam 16 feet wide were laid and one mile of amesite surface 12 feet wide. In addition, 12.5 miles of gravel surface 16 feet wide were laid. In 1927, two miles of bituminous macadam and one mile of asphaltic concrete 18 feet in width were constructed. In addition, approximately 16 miles of road were graded to a width varying from 24 to 28 feet. The Mohrs bridge was also built, consisting of one 80-foot span with an 18-foot roadway. The superstructure is of steel design.

DUFFERIN COUNTY

In 1926, the McPherson bridge, of concrete arch truss type, consisting of two 80-foot spans, was built by the county. In addition, 5.3 miles of gravel road were built. In 1927, twenty-six miles of road were graded to a width of approximately 24 feet, and surfaced with gravel. In addition, the McKee bridge, consisting of a 45-foot span with an 18-foot roadway, was built. The bridge is of reinforced concrete design.

ESSEX COUNTY

In 1927, seven miles of cement concrete pavement, 18 feet in width, were constructed. In addition, five bridges, varying in span from 20 feet to 90 feet, with 20-foot roadways, were constructed. Four of these bridges were of reinforced concrete design and one consisting of a 90-foot span, the superstructure of which consists of a steel truss.

GREY COUNTY

In 1926, approximately 14 miles of 16-foot gravel road were built, varying in length from three to six miles, and the road graded to a width of 26 feet. In 1927, 15.5 miles of road were graded to a width, varying from 24 feet to 30 feet, and gravelled 16 to 20 feet in width. In addition, 34 concrete slab culverts were built. Ten bridges were also constructed, varying in span from 20 feet to 146 feet. The chief item in this construction was the Thornbury bridge, which is 146 feet in length and having a clear roadway of 24 feet in width. The superstructure is of steel design.

HALDIMAND COUNTY

In 1927, approximately 26 miles of road were graded to a width varying from 24 to 28 feet.

HURON COUNTY

In 1926, sixteen miles of road were graded to a width of 28 feet and surfaced with gravel 16 to 20 feet wide, and kept in excellent shape by constant dragging. Gravel roads are constructed at low costs in this county and the work and organization are an example for other counties to follow. In addition, one 56-foot span bridge of reinforced concrete beam design was built. In 1927, 28.5 miles of road were graded to a width varying from 24 to 28 feet, and 29.75 miles of road were gravelled to a width varying from 16 to 20 feet.

KENT COUNTY

In 1926, approximately 26 miles of gravel road 16 feet wide were built in sections varying in length from 4 to 8 miles. In addition, one and one-half miles of concrete pavement 18 feet wide were laid. In 1927, approximately 24 miles of road were graded, varying from 24 to 28 feet in width.

LAMBTON COUNTY

In 1926, six-tenths of a mile of cement concrete pavement, 18 feet wide, were built on the Lake Shore road. In addition, 6.37 miles of stone and 8.45 miles of gravel roads 16 feet wide were constructed. In 1927, sixteen miles of road were graded to a width of 24 feet, and approximately five miles of road were gravelled. In addition, twenty-one concrete slab culverts were built.

LANARK COUNTY

In 1926, two and one-half miles of bituminous macadam surface, 16 feet wide, were built, and 1.26 miles of waterbound macadam. In addition, pavements, consisting of asphaltic concrete on concrete base, amesite and bituminous macadam, were built in the urban municipalities of Perth, Almonte and Lanark; also a bridge in the town of Almonte, consisting of three 100-foot spans and a 20-foot roadway, was built.

LENNOX AND ADDINGTON COUNTY

In 1926, the Mink's bridge and Millhaven bridge, of 65-foot and 42-foot span respectively, of steel superstructures, were the chief features of work carried out. In 1927, approximately eight miles of road were graded 26 feet in width, and 5.5 miles of asphaltic concrete surfaces were laid.

LINCOLN COUNTY

In 1927, 14.75 miles of road were graded to a width of 26 feet, and approximately 13 miles of waterbound macadam road were constructed. In addition, ten concrete slab culverts were built.

MIDDLESEX COUNTY

Approximately 18 miles of road were graded to a width of 26 feet and surfaced with gravel, in 1926. In addition, the Melrose bridge of steel truss superstructure, consisting of one 81-foot span, and the White bridge, consisting of two spans, one 83-foot and one 93-foot, were built. In 1927, approximately 15 miles of road were graded, varying from 24 to 28 feet in width. In addition, 6.3 miles of concrete pavement were laid, the majority of which was within urban municipalities.

NORFOLK COUNTY

In 1926, approximately 11 miles of gravel road 16 feet wide were built and the road graded to a width of 26 feet. In 1927, approximately 18 miles of road were graded, 24 feet in width, and 16 miles were gravelled.

ONTARIO COUNTY

In 1926, the chief features in this county applied to work in the villages of Cannington and Beaverton, where a pavement consisting of an asphaltic concrete surface on a cement concrere base was built under the provisions of The Highway Improvement Act.

OXFORD COUNTY

In 1926, approximately 34 miles of gravel roads 16 feet wide and two miles of waterbound macadam were built. In 1927, 4.5 miles of asphaltic concrete surface, 18 feet in width, were constructed.

PEEL COUNTY

In 1926, approximately 12 miles of gravel roads 14 feet wide were built and the road graded to a width of 26 feet. In 1927, approximately 21 miles of road were graded, 26 feet in width, and 19 miles were gravelled to a width of 18 feet.

PERTH COUNTY

In 1927, approximately 39 miles of road were graded 26 feet in width, and gravelled 20 feet in width.

PRINCE EDWARD COUNTY

In 1926, five and one-half miles of road were graded to a width of 24 feet and surfaced with waterbound macadam. In addition, 64 miles of macadam road were surface treated with asphalt and stone chippings. In 1927, 2.75 miles of bituminous macadam surface were constructed.

RENFREW COUNTY

In 1926, three and one-half miles of road were graded to a width of 26 feet and gravelled for a width of 16 feet. This includes a heavy sidefill grading on the Lake Doré Shore road and construction of guard-rails. In addition, three steel bridges were built one 78-foot span, one 54-foot span, and one 44-foot span.

SIMCOE COUNTY

In 1926, approximately 18 miles of gravel road 16 feet wide were built and graded to a width of 26 feet. In addition, the county contributed towards the cost of constructing an asphaltic concrete pavement within the town of Midland. In 1927, approximately twenty miles of road were graded, 26 feet in width, and gravelled 18 feet in width.

UNITED COUNTIES OF STORMONT, DUNDAS AND GLENGARRY

In 1926, fourteen miles of stone roads 14 feet wide were built, and graded to a width of 24 and 26 feet; also one mile of bituminous macadam surface, 16 feet wide.

VICTORIA COUNTY

In 1926, approximately six miles of road were graded to a width of 26 feet, and 3.87 miles of waterbound macadam road were built. In addition, one-half mile of asphaltic concrete surface on concrete base, 18 feet wide, was built, and one-third of a mile of bituminous macadam. In 1927, approximately ten miles of road were graded 26 feet in width, and two miles of asphaltic concrete surface were laid.

WATERLOO COUNTY

In 1926, approximately two miles of concrete pavement 18 feet wide were built, and 6.75 miles of gravel road. In addition, the county contributed towards work in the town of Preston. In 1927, approximately twelve miles of road were graded to a width of 24 feet, and approximately five miles of cement concrete pavement were built.

WELLAND COUNTY

In 1927, approximately eight miles of road were graded to a width of 26 feet, and four and one-half miles of bituminous macadam surface were laid. In addition, twelve concrete slab culverts were built.

WELLINGTON COUNTY

In 1927, approximately 17 miles of road were graded to a width of 28 feet, and 12.5 miles were gravelled 18 feet in width. In addition, 2.2 miles of cement concrete and two miles of bituminous macadam surfacing were built.

WENTWORTH COUNTY

In 1926, approximately twelve miles of waterbound macadam road were built and 2.50 miles of gravel road. In 1927, approximately sixteen miles of road were graded to a width of 24 feet, and eleven and one-half miles of waterbound macadam road were built. In addition, three miles of cement concrete and eight and one-half miles of bituminous macadam were built.

YORK COUNTY

In 1927, approximately twenty-three miles of road were graded to a width of 28 feet, and sixteen miles gravelled 20 feet in width. In addition, approximately fifteen miles of waterbound macadam road, eight and one-half miles of bituminous macadam, and 1.75 miles of asphaltic concrete surfaces were built.

GENERAL

The work in the remaining counties and other work of the above-named counties consisted chiefly in reshaping and maintaining the existing road, building concrete slab culverts, laying pipe culverts and otherwise preparing for future work.

COUNTY SUBURBAN ROADS

Provision is made under The Highway Improvement Act whereby a city or separated town may co-operate with the county council in improving the leading county roads adjacent to the city or separated town and thereby obtaining a more substantial type of construction for such suburban road.

The section of county road designated as "Suburban" remains a county road, for which the county is responsible; the work of construction and maintenance is carried on under the direction of an engineer, appointed by the Suburban Road Commission, or may be carried on under the direction of the County Road Superintendent, but subject to the instructions of the Commission.

At the end of 1927, twenty-two cities, all the cities within the organized counties, and three separated towns, Smith's Falls, Walkerville and Brockville, were paying towards the improvement of county suburban roads. The Commissions appointed have assumed 693.6 miles of road, the expenditure on which at the end of 1927 amounted to $13,748,323.48, of which the cities and separated towns have contributed $3,684,939.50, or 4.64 per cent. of the total expenditure made on the County Road Systems.

Towards the expenditure on construction and maintenance and supervision of county suburban roads, the Province contributes 50 per cent., and the county and city each 25 per cent. The object of a city's contribution is not to relieve the county of the expenditure which they are equitably called upon to make, but rather to improve the standard of roads radiating from the city, and to permit them to be maintained in a condition suited to the traffic over them. Traffic accumulates on the main roads immediately adjacent to the city, and it becomes an unfair charge upon rural districts to construct and maintain roads suited to such accumulated traffic.

In 1926, the expenditure on county suburban roads was $1,312,710.23, of which the Province contributed $656,134.16, and counties and cities each $328,288.04. In 1927, the expenditure was $1,508,141.56, of which the Province contributed $754,070.81, and counties and cities each $377,035.37.

During the years 1926 and 1927, the Suburban Road Commissions constructed 51.55 miles of permanent surfaces.

GENERAL

The work on county roads and county suburban roads has shown remarkable improvement during the past few years, and the counties and commissions in the majority of instances are to be commended on the method of carrying on the work.

The construction of permanent pavement structures on suburban roads in the close vicinity of the city should be encouraged by all Suburban Road Commissions.

In fairness to those counties which have endeavoured to meet the traffic requirements of the day and to provide an organization suitable to take care of such conditions, it may be said that one or two counties have not seen fit to create an organization capable of handling the situation as it presents itself to modern requirements. It is expected, however, with encouragement from the Department that conditions will change in these backward counties.

INDIAN RESERVES

Provincial aid towards road improvement in Indian Reserves is provided by Sections 35 and 45 of The Highway Improvement Act. Section 35 provides that where a road in the reserve is a connecting link of the county road system, the Province will contribute 50 per cent. of the expenditure made on such connecting link. The purpose of this assistance is to establish uniformity of improvement throughout the county road system, as there are cases where these roads within the reserve are used extensively by through or foreign traffic. On other roads (Section 45) within the reserve, the Province contributes 30 per cent. on expenditure made thereon, such roads being placed in the same class as township roads.

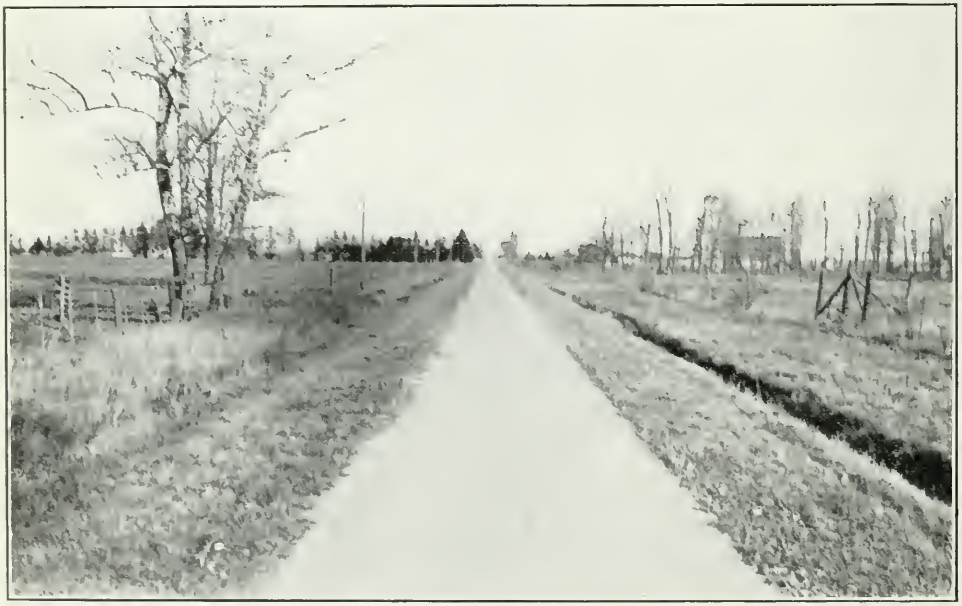
During the year 1926, the Reserves of Kettle and Stoney Point, Walpole Island, Caradoc, Sarnia, and Saugeen received provincial aid on a 50 per cent. basis. These reserves expended $7,650.39, of which the Province paid $3,825.20. In 1927, the Reserves of Kettle and Stoney Point, Walpole Island, Sarnia, Six Nations, and Caradoc expended $11,154.39 on roads, of which the Province contributed $5,577.20.

In 1926, on a township or 30 per cent. basis, the Reserves of Cape Croker, Moravian and Six Nations expended $30,097.21, towards which the Province contributed $9,210.22. In 1927, the Reserves of Cape Croker, Moravian, Sarnia, and Six Nations expended $34,480.69 on roads, of which the Province contributed $11,133.22.

The work within reserves consisted chiefly of grading and gravelling and the work in the majority of cases is to be commended.

TOWNSHIP ROADS

The township road plays a most important part in the development of this Province and the improvement of such roads are being encouraged by the present administration.



Typical Township Road.

Our township roads, in the early history of the Province, depended largely on statute labour for improvement, this system having been created by the first parliament of the Province (then Upper Canada) in 1796. In the old days, when traffic moved slowly on a narrow strip of gravel, statute labour served its purpose, but with the advent of the motor car it has become obsolete as a road-builder. Statute labour still holds in a few localities but is growing weaker. Money expenditure, raised by general levy on the township assessment, has been steadily increasing, and at the end of 1927, three hundred and seven townships had abolished statute labour, being approximately 80 per cent. of the townships in the organized counties.

There are 376 townships within the area covered by the County Road System with a road mileage of approximately 42,148 miles under the control of

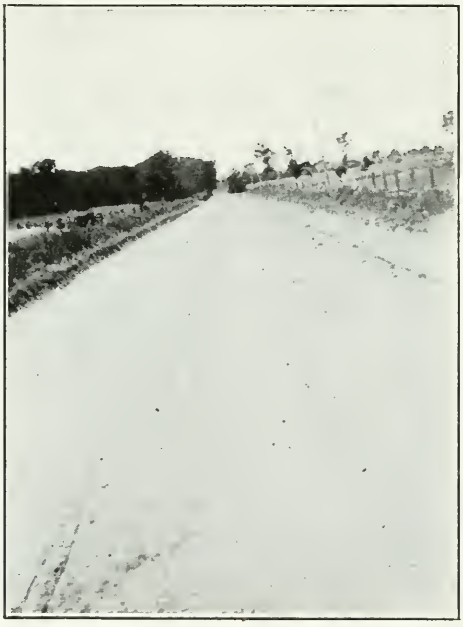
Before.

the township councils. At the end of 1927, approximately 21,700 miles had been surfaced with gravel or stone or other more permanent type of surface.

The total approved expenditure in 1927, of the 307 townships receiving aid under The Highway Improvement Act, amounted to $5,204,574.49. Subsidies amounting to $1,619,169.74 were paid, being 30 per cent. of the cost of construction, maintenance, bridges, machinery, and 50 per cent. of the cost of superintendence. Apart from the actual financial assistance, the advice and co-operation of the engineers of the Department have been of untold value to the townships and are having a marked effect upon the nature of township road improvement throughout the Province. In bridge and culvert construction, in the elimination of dangerous curves, brush obstructions, narrow fills, and like matters, the impetus towards prompt action and the advice and guidance in the matter of methods and costs have been found to be sound and worthy of adoption.

In 1926, 163 bridges and 309 concrete slab culverts were built by the townships and numerous pipe culverts laid. In 1927, 132 bridges and 211 concrete slab culverts were built. Yearly the mileage of earth roads is diminishing, gravel, stone or other more substantial surface being employed to provide the farmer with a safe and convenient road in seasons of the year when he needs it most. As in other years, work on township roads consisted chiefly of renewing worn-out surfaces and keeping them smooth by frequent dragging—that is, expenditures were largely for maintenance, narrow grades are being widened out, swampy stretches cleared and drained, and effective watercourses established along roadsides to ensure a reliable road surface in all weathers.

The main objective of every township council should be to provide the farmer with a safe and convenient road in seasons of the year when he needs it most.



After

The following shows the growth of provincial aid to townships on road improvements, under the provisions of The Highway Improvement Act:—

1916	$1,241 71	towards superintendent's salary
1917	1,608 72	" " "
1918	1,910 59	" " "
1919	2,620 60	" " "
1920 (184 townships)	340,973 38	Commencement of aid on improvement.
1921 (294 ")	708,486 91	
1922 (312 ")	649,601 48	
1923 (315 ")	614,037 88	
1924 (320 ")	638,940 11	
1925 (272 ")	988,633 29	
1926 (295 ")	1,317,146 17	
1927 (307 ")	1,619,169 74	
Total	$6,884,370 58	

Standard of Work

The class or standard of work to be done on municipal roads (county and township) will be governed largely by the importance of the road. The amount of traffic using the road will decide as to the amount of expenditure and the type of construction required on the work.

Engineers of the Department

The Department's engineers have now been established within the area allotted to them for the purpose of being in closer touch with the work and for lending their services to the municipal officials to the best advantage. The Department desires to assist and co-operate to the fullest extent with the municipalities in the improvement of roads, and requests that the superintendents communicate with the district engineers of the Department before any permanent work is commenced. The engineers of the Department are at the services of the municipalities at all times in all matters pertaining to road improvement.

APPENDICES

Nos. 1 to 14

APPENDIX

DETAILS OF CONSTRUCTION—

County	Bit. Mixed Method	Culverts Built	Bridges Built	Miles of Grading	Miles of Gravelling
Brant					
Bruce					29.40
Carleton	7.2		1 extended	8	3.5
Dufferin					16.4
Dundas, Stormont and Glengarry		1			
Durham and Northumberland					13.08
Elgin					2.25
Essex		6	1		
Frontenac		2		8.6	8.6
Grey		1		9.75	33.75
Haldimand					
Halton					
Hastings					
Huron					.8
Kent		1			
Lambton		1			
Lanark					
Leeds and Grenville	5.3	21		11.4	11.4
Lennox and Addington					
Lincoln					
Middlesex		1		10.4	
Norfolk			1	0.3	0.3
Ontario					27.76
Oxford				0.6	0.6
Peel		1 extended	1	.035	13.5
Perth					
Peterborough					
Prince Edward			*Spans 3 and 4		
Renfrew				3.7	6.5
Russell and Prescott		2	1 (not completed)	5.0	2.0
Simcoe	2.73				
Victoria					5.19
Waterloo			1	.50	
Welland		1			
Wellington		4 and 3 ext.		1.5	25.5
Wentworth		1	2	.6	4.5
York					

*Belleville Bay Bridge.

No. 1

PROVINCIAL HIGHWAYS, 1926

Miles W.B. 2 Course Macadam	Miles Bit. Penetration	Miles Asp. Concrete	Miles Concrete Pavement	Lin. Ft. Guard Rail	Lin. Ft. Storm Sewers	Miles Surface Treatment	Miles Gravel Road Maint.	Miles New Fence Erected
.....	.....	.....	.....	50	140	.....	.....	.....
2	.....	.....	.....	.....	.....	.8	37.5	.....
.....	.5	.....	.....	2,100	500	13.4	52.4	2.7
5.6	.....	.....	.....	106	.....	.....	20.8	.....
.....	3.5	.....	.....	930	.....	24.2	.....	.....
5.21	.....	.....	28.47	3,166	.....	5.21	23.31	.....
.....	.....	.....	1.5	3,020	.....	.....	37.1	2.42
.....	.....	.....	12.39	4,620	4,524	3.84	7.03	.....
.....	2.3	.....	.....	145	.....	16.8	8.6	.....
.....	.....	.....	.....	3,946	.....	3.5	73.40	.....
.....	1.5	.....	.....	3,000	.....	30.7	.....	.....
.....	4.0	.....	.....	.....	.....	.....	6.0	.....
.....	.....	.....	.....	325	.....	24.35	.....	.....
.....	.....	.....	5.59	250	.....	.....	29.7	.....
.....	.....	.....	8.6	1,617	.....	9.3	49.48	.....
.....	.....	.....	.....	.....	.....	.....	26.50	.....
.....	.....	.....	.....	1,460	.....	21.6	.....	.....
.....	17.7	.....	.....	1,455	.....	.....	62.9	6.0
.....	.....	.....	.....	.....	.....	16.45	.32	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
5.32	.....	5.0	0.7	7,050	.....	.....	40.43	2.2
.....	4.5	.....	.....	2,000	.....	.....	21.4	1.7
.....	.....	.....	3.42	3,493	.....	.....	31.16	.....
.....	0.3	.....	.....	4,600	250	.....	1.0	3.5
6.00	7.3	.....	0.3	950	.....	.....	27.85	00.4
.....	.....	.....	7.78	100	.....	5.4	12.40	.....
.....	.....	.....	.....	.....	.....	4.0	.....	.....
3.53	.....	.....	.....	3,225	.....	17.05	.....	.....
.....	3.4	.....	.....	1,200	.....	2.4	53.8	.....
.....	5.5	.....	.....	650	.....	.....	11.2	.5
2.0	.....	.....	.....	.....	.....	.....	32.37	.....
.....	.....	.....	1.15	.....	.....	.....	12.69	.....
				1,820	.....	.....	8.82	.....
.....	.....	6.5	.....	1,200	.....	8.5	.....	.....
.....	.....	.....	7.54	1,116	.....	17.6	50.7	0.36
.....	.....	.....	1	2,700	351	5	5	.....
.....	.....	.....	.....	68	.....	.....	.....	.....

APPENDIX

DETAILS OF CONSTRUCTION—

County	Bit. Mixed Method	Culverts Built	Bridges Built	Miles of Grading	Miles of Gravelling
Brant				.2	
Bruce				100′	
Carleton					
Dufferin					2.3
Dundas, Stormont and Glengarry	9.55	2 ext.	1		
Durham and Northumberland	3.76		1		
Elgin					
Essex				.5	
Frontenac		1			
Grey		1 (pipe)		7.6	19.65
Haldimand			1		
Halton					
Hastings					
Huron					
Kent		3		1	43.9
Lambton					48.6
Lanark		1			
Leeds and Grenville	15.04	18		15	65.5
Lennox and Addington					
Lincoln					
Middlesex	1.3	3 Conc. 2 Ext. 18 Iron Pipe		5.8	
Norfolk					9.0
Ontario					
Oxford				.1	
Peel		1 1 conc. ext.		1.1	1.4
Perth				110′	.125
Peterborough	5.71				
Prince Edward			9 spans, Belleville Bay Bridge		
Renfrew		18 and 8 ext.	1	9.1	9.1
Russell and Prescott		23 and 2 ext. 3 pipes cased	1 1 ext.		
Simcoe		2		9.0	
Victoria	.24				
Waterloo					
Welland		12 and 15 ext.		22.3	
Wellington		2 Pipe 5 Conc. 9 Conc. ext.	1		8.9
Wentworth		2 and 2 ext.		5.0	
York				4.7	

No. 2

PROVINCIAL HIGHWAYS, 1927

Miles W.B. 2 Course Macadam	Miles Bit. Penetration	Miles Asp. Concrete	Miles Concrete Pavement	Lin. Ft. Guard Rail	Lin. Ft. Storm Sewers	Miles Surface Treatment	Miles Gravel Road Maint.	Miles New Fence Erected
.....	.....	.....	.15	.....	.....	.....	5.36	.....
10.75	1.2	.....	.43	472	.....	1.2	30.40	.....
.....	.....	.....	5.3	8,880	.....	9.2	45.86	76′
0.2	.....	.....	6.9	.....	.....	6	15.4	.....
0.8	1.1	.....	.....	22,600	.....	56.3	.....	.....
.....	.....	.....	5.93	6,154	.....	5.21	10.47	.25
.....	.....	.....	12.77	6,280	7,886	.....	24.9	4.5
.....	.....	.....	7.06	2,240	.....	3.84	.....	.....
9.0	.....	.....	.....	.....	.....	17.4	.....	.....
.....	.....	.....	.....	13,648	.....	.....	89.20	6.1
.....	.68	.....	.....	.....	.....	49.45	.....	.....
.....	3.4	.....	3.2	725	.....	.....	8.1	.....
.....	.....	.....	.....	1,001	.....	8.6	.....	.....
.....	.....	.....	7.51	.....	.....	.....	31.41	.....
.....	.....	.....	10.48	10,685	865	9.55	43.9	.....
.....	.....	.....	10.59	4,950	.....	.....	48.6	.....
.....	.....	.....	.....	6,200	.....	18.8	12.56	.....
.....	1.5	.....	.....	4,900	.....	7.0	49.3	5.5
.....	.....	.....	.....	3,721	.....	.....	.32	.....
.....	.....	.....	.....	.....	.....	24.5	.....	.....
.....	5.32	.....	10.2	15,840	42,140	.....	55.4	1
.....	.....	.....	.....	.....	.....	.....	9.0	.....
.....	.....	.....	7.68	1,560	.....	12.86	38.05	.....
.....	.....	.....	.15	1,000	.....	.....	.9	.1
.....	5.2	.....	.....	850	.....	.....	21.22	1.55
.....	.....	400′	1.92	.....	.....	.....	39.56	.....
.....	.....	.....	.....	100	.....	.....	7.16	.....
.....	.....	.....	.....	.....	.....	20.96	.....	.....
.....	3.0	.....	.....	7,240	.....	1.5	67.42	18.2
.....	20.05	.....	.....	5,556	9,000	.....	11.2	.68
.....	.....	9.83	.....	.....	.....	19.60	61.50	.....
.....	.....	.....	.....	.....	.....	3.85	22.47	.....
.....	.....	.....	6.5	.....	.....	.....	11.50	.....
.....	.....	.....	.....	1,200	.....	8.2	.....	1.1
.....	.....	.....	3.62	4,278	.....	6	42.49	0.9
1.4	.....	.....	.62	3,825	740	8.5	.....	1.5
.....	0.36	3.25	2.00	46	.....	6.94	7.18	2.0

APPENDIX No. 3

Expenditures on Provincial Highways, 1926 and 1927

		Construction	Maintenance	Total Expenditure	Cost to Province	Cost to County	Cost to Separated Towns	Cost to Cities (Sub. Area)
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	1926	Cr. 3,394 15	8,088 16	4,694 01	2,847 93	938 80	.....	907 28
	1927	6,463 15	22,915 96	29,379 11	22,139 23	5,875 82	.....	1,364 06
Bruce	1926	42,813 98	20,011 00	62,824 98	50,259 98	12,565 00	.....	.....
	1927	130,106 41	26,950 06	157,056 47	125,645 18	31,411 29	.....	.....
Carleton	1926	208,714 20	59,626 75	268,340 95	207,959 25	53,668 19	.....	6,713 51
	1927	111,411 04	80,104 28	191,515 32	147,401 60	38,303 06	.....	5,810 66
Dufferin	1926	71,329 96	10,635 06	81,965 02	65,572 02	16,393 00	.....	.....
	1927	219,246 72	22,093 44	241,340 16	193,072 13	48,268 03	.....	.....
Dundas, Stormont and Glengarry	1926	171,518 97	54,836 57	226,355 54	181,084 44	45,271 10	.....	.....
	1927	405,423 96	75,127 75	480,551 71	384,162 27	94,993 97	1,395 47	.....
Durham and Northumberland	1926	775,442 60	70,113 32	845,555 92	676,444 74	169,111 18	.....	.....
	1927	211,964 02	65,799 28	277,763 30	222,210 64	55,552 66	.....	.....
Elgin	1926	68,805 02	39,205 38	108,010 40	85,475 63	21,602 08	.....	932 69
	1927	408,392 29	39,667 28	448,059 57	351,314 49	89,611 91	.....	7,133 17
Essex	1926	294,059 10	23,951 76	318,010 86	253,424 26	63,602 17	.....	984 43
	1927	214,616 22	22,243 07	236,859 29	187,232 99	47,371 86	.....	2,254 44
Frontenac	1926	100,181 24	20,158 04	120,339 28	88,020 56	24,067 86	.....	8,250 86
	1927	168,719 73	25,548 01	194,267 74	153,550 02	38,853 55	.....	1,864 17
Grey	1926	46,801 61	28,948 70	75,750 31	59,741 08	15,150 06	.....	859 17
	1927	71,781 47	53,867 87	125,649 34	100,361 15	25,129 86	.....	158 33
Haldimand	1926	11,991 70	41,629 76	53,621 46	42,897 17	10,724 29	.....	.....
	1927	126,549 23	73,006 92	199,556 15	159,644 92	39,911 23	.....	.....
Halton	1926	87,592 73	22,063 06	109,655 79	87,178 77	21,931 16	.....	545 86
	1927	163,244 92	46,460 68	209,705 60	167,083 99	41,941 11	.....	680 50
Hastings	1926	5,714 54	34,229 69	39,944 23	31,191 95	7,987 94	.....	764 34
	1927	·568 88	17,121 16	17,690 04	13,716 82	3,538 00	.....	435 22
Huron	1926	141,997 92	12,709 13	154,707 05	123,765 64	30,941 41	.....	.....
	1927	238,192 49	8,806 79	246,999 28	197,599 42	49,399 86	.....	.....
Kent	1926	290,641 05	97,694 18	388,335 23	304,996 98	77,667 04	.....	5,671 21
	1927	382,354 99	58,870 67	441,225 66	351,973 89	88,245 13	.....	1,006 64
Lambton	1926	(Cr.)11,886 46	20,630 69	8,744 23	6,925 65	1,748 84	.....	69 74
	1927	344,025 30	21,202 10	365,227 40	291,829 33	73,045 48	.....	352 59
Lanark	1926	92 43	33,669 19	33,761 62	27,009 30	6,752 32	.....	.....
	1927	13,321 77	33,764 08	47,085 85	37,668 69	9,417 16	.....	.....
Leeds and Grenville	1926	471,576 77	44,668 62	516,245 39	412,996 31	103,249 08	.....	.....

	1927	679,930 89	113,222 48	793,153 37	634,522 70	158,630 67	.....	.....
Lennox and Addington	1926	1,164 29	15,657 75	16,822 04	13,457 64	3,364 40	.....	.....
	1927	885 73	10,604 63	11,490 36	9,192 29	2,298 07	.....	.....
Lincoln	1926	1,677 44	34,297 21	35,974 65	26,021 78	7,194 93	.....	2,757 94
	1927	6,697 72	51,450 89	58,148 61	42,653 97	11,629 72	.....	3,864 92
Middlesex	1926	271,017 06	37,143 77	309,160 83	239,839 69	61,632 17	.....	6,688 97
	1927	424,537 68	60,984 64	485,522 32	382,628 32	97,104 47	.....	5,789 53
Norfolk	1926	136,945 17	20,852 55	157,797 72	126,238 17	31,559 55	.....	.....
	1927	405,386 11	34,845 08	440,231 19	351,698 39	86,099 97	2,432 83	.....
Ontario	1926	86,118 49	31,174 67	117,293 16	92,512 00	23,458 63	.....	1,322 53
	1927	193,707 11	70,340 63	264,047 74	208,337 88	52,809 54	.....	2,900 32
Oxford	1926	34,305 14	9,239 75	43,544 89	34,639 60	8,708 97	.....	196 32
	1927	9,842 20	17,574 42	27,416 62	21,384 57	5,483 32	.....	548 73
Peel	1926	320,232 60	31,537 11	351,769 71	268,393 51	70,353 94	.....	13,022 26
	1927	88,284 46	45,424 95	133,709 41	102,436 94	26,741 88	.....	4,530 59
Perth	1926	170,500 07	13,678 84	184,178 91	146,984 10	36,835 78	.....	359 03
	1927	51,110 31	32,627 87	83,738 18	65,805 73	16,747 64	.....	1,184 81
Peterborough	1926	18 10	5,714 03	5,732 13	3,875 91	1,146 42	.....	709 80
	1927	239,917 85	8,639 83	248,557 68	162,790 52	49,711 53	.....	36,055 63
Prince Edward	1926	128,017 18	20,819 19	148,836 37	102,876 35	29,767 27	.....	16,192 75
	1927	143,959 63	30,056 06	174,015 69	110,287 65	34,803 13	.....	28,924 91
Renfrew	1926	90,762 43	29,282 27	120,044 70	96,035 76	24,008 94	.....	.....
	1927	154,762 10	45,515 74	200,277 84	160,222 27	40,055 57	.....	.....
Russell and Prescott	1926	199,219 72	37,801 13	237,020 85	189,616 68	47,404 17	.....	.....
	1927	626,550 75	38,050 65	664,601 40	531,681 12	132,920 28	.....	.....
Simcoe	1926	110,844 71	72,037 84	182,882 55	146,306 04	36,576 51	.....	.....
	1927	305,206 30	128,735 24	433,941 54	347,153 23	86,788 31	.....	.....
Victoria	1926	30,694 80	6,919 49	37,614 29	30,091 44	7,522 85	.....	.....
	1927	7,308 92	15,470 71	22,779 63	18,223 71	4,555 92	.....	.....
Waterloo	1926	19,746 19	10,371 78	30,117 97	20,593 47	6,023 59	.....	3,500 91
	1927	208,160 87	15,352 33	223,513 20	160,381 27	44,702 64	.....	18,429 29
Welland	1926	216,074 75	21,018 20	237,092 95	159,933 38	47,418 59	.....	29,740 98
	1927	60,101 81	58,294 34	118,396 15	93,304 65	23,679 23	.....	1,412 27
Wellington	1926	183,591 19	53,254 04	236,845 23	188,161 98	47,369 04	.....	1,314 21
	1927	143,524 18	61,501 48	205,025 66	163,054 27	41,005 13	.....	966 26
Wentworth	1926	80,462 04	58,508 21	138,970 25	89,908 07	27,794 05	.....	21,268 13
	1927	106,337 06	67,588 42	173,925 48	118,740 68	34,785 09	.....	20,399 71
York	1926	35,114 48	41,979 38	77,093 86	49,415 30	15,418 77	.....	12,259 79
	1927	166,363 60	44,761 54	211,125 14	124,232 01	42,225 03	.....	44,668 10
Indian Reserve	1926	284 21	2,947 79	3,232 00	2,585 60	.....	646 40	.....
	1927	151 83	4,893 83	5,045 66	4,036 53	.....	1,009 13	.....
Total	....	12,129,892 97	2,846,589 22	14,976,482 19	11,654,653 59	2,990,577 21	5,483 83	325,767 56

APPENDIX No. 4

EXPENDITURE ON PROVINCIAL SUBURBAN AREAS, 1926 AND 1927

City	Year	Construction	Maintenance	Total Expenditure	Proportion paid by Cities
		$ c.	$ c.	$ c.	$ c.
Belleville	1926	77,082 81	7,702 66	84,785 47	16,957 09
	1927	138,915 05	7,885 64	146,800 69	29,360 13
Brantford	1926	118 06	4,418 32	4,536 38	907 28
	1927	125 51	6,694 80	6,820 31	1,364 06
Chatham	1926	25,585 12	2,770 93	28,356 05	5,671 21
	1927	2,703 37	2,329 86	5,033 23	1,006 64
Galt	1926	.....	641 98	641 98	128 40
	1927	.....	486 70	486 70	97 34
Guelph	1926	197 98	6,373 06	6,571 04	1,314 21
	1927	53 90	4,777 43	4,831 33	966 26
Hamilton	1926	57,114 22	49,226 42	106,340 64	21,268 13
	1927	57,098 06	44,900 53	101,998 59	20,399 71
Kingston	1926	30,233 05	11,021 23	41,254 28	8,250 86
	1927	2,138 47	7,182 36	9,320 83	1,864 17
Kitchener	1926	13,032 38	3,830 16	16,862 54	3,372 51
	1927	89,066 10	2,593 63	91,659 73	18,331 95
London	1926	26,241 75	7,203 10	33,444 85	6,688 97
	1927	19,035 71	9,911 92	28,947 63	5,789 53
Niagara Falls	1926	Cr. 7,591 10	4,564 05	Cr. 3,027 05	Cr. 605 41
	1927	267 14	4,302 29	4,569 43	913 89
Ottawa	1926	12,895 06	20,672 50	33,567 56	6,713 51
	1927	4,922 97	24,130 31	29,053 28	5,810 66
Owen Sound	1926	.....	4,295 87	4,295 87	859 17
	1927	13 00	778 67	791 67	158 33
Peterborough	1926	Cr. 1 90	3,550 90	3,549 00	709 80
	1927	174,681 04	5,597 10	180,278 14	36,055 63
Sarnia	1926	.....	348 70	348 70	69 74
	1927	157 67	1,605 32	1,762 99	352 59
St. Catharines	1926	109 84	13,679 84	13,789 68	2,757 94
	1927	1,243 53	18,081 05	19,324 58	3,864 92
St. Thomas	1926	1,256 32	3,407 15	4,663 47	932 69
	1927	31,137 88	4,527 97	35,665 85	7,133 17
Stratford	1926	.....	1,795 16	1,795 16	359 03
	1927	4,928 65	995 41	5,924 06	1,184 81
Toronto	1926	77,316 96	70,249 81	147,566 77	29,513 35
	1927	171,763 89	92,133 68	263,897 57	52,779 51
Welland	1926	147,859 82	3,872 13	151,731 95	30,346 39
	1927	291 87	2,200 07	2,491 94	498 38
Windsor	1926	1,398 97	3,523 17	4,922 14	984 43
	1927	6,607 22	4,664 97	11,272 19	2,254 44
Woodstock	1926	156 43	825 19	981 62	196 32
	1927	27 49	2,716 18	2,743 67	548 73
Total	....	1,168,184 29	472,468 22	1,640,652 51	328,130 47

EXPENDITURE ON PROVINCIAL HIGHWAY CONNECTING LINKS IN SEPARATED TOWNS, 1926 AND 1927

Town	Year	Construction	Maintenance	Total Expenditure	Proportion Paid by Towns
		$ c.	$ c.	$ c.	$ c.
Morrisburg	1927	5,581 88	.....	5,581 88	1,395 47
Delhi	1927	9,731 31	.....	9,731 31	2,432 83
Total	....	15,313 19	.....	15,313 19	3,828 30

APPENDIX No. 5

BRIDGES COMPLETED ON PROVINCIAL HIGHWAYS DURING 1926 AND 1927

Name	Span	Completed	Road No.	Township	County
	ft. in.				
Freeport, concrete truss	502 4 (7 spans)	1926	8	Waterloo	Waterloo
Jantzen's Creek (ext.), concrete B. and S.	36 2	1926	7	Waterloo	Waterloo.
Dredge Cut, concrete B. and S.	210 8 (4 spans)	1926	2	Raleigh	Kent
Tremblay Creek (ext.)	32 11	1926	2	Tilbury N.	Essex
Dundas, concrete B. & S.	36 0	1926	8	Town of Dundas.	Wentworth
Little Rideau (ext.)	32 1½	1926	17	Hawkesbury E.	Prescott
Cooksville Subway	48 4½	1926	10	Toronto	Peel
Delhi, concrete truss	104 8	1927	3	Middleton	Norfolk
Plantagenet No. 1, concrete truss	236 8 (2 spans)	1927	17	Plantagenet	Prescott
Plantagenet No. 2, concrete B. and S.	34 0	1927	17	Plantagenet	Prescott
Windermere Cut-off, steel truss	82 0	1927	8A	Saltfleet	Wentworth
Caledonia, concrete truss	653 4 (9 spans)	1927	6	Seneca	Haldimand
Belleville Bay, steel truss	210 5 2 spans	1927	14	Ameliasburg	Prince Edward
Snake River, steel truss	82 0	1927	17	Westmeath	Renfrew
Nash Creek, concrete truss	51 0	1927	2	Williamsburg	Dundas
Carp (ext.), concrete B. and S.	44 6	1927	17	Huntley	Carleton
La Fontaine (ext.)	38 1½	1927	17	Clarence	Russell

APPENDIX No. 6

SCHEDULE OF ASSUMPTIONS AND REVERSIONS OF SECTIONS OF THE PROVINCIAL HIGHWAY SYSTEM FOR THE YEARS 1926 AND 1927

During the two years the system was extended by assuming 535.29 miles (see map, page 62), less 25.38 miles reverted, making a total assumed of 2,371.21 miles as shown on map, page 12. A list of the roads added to the system, together with the mileage and data of designation, also list of roads and mileage reverted from the system, is as follows:—

Provincial Highways Assumed in 1926

County	Date of Designation	Municipality	Mileage	Total Mileage
Carleton	14th of April, 1926	Nepean	2.50	2.50
Prince Edward	30th of June, 1926	Sophiasburg	0.24	
	30th of June, 1926	Ameliasburg	0.41	0.65
Renfrew	14th of April, 1926	McNab	0.45	
	19th of May, 1926	Pembroke	0.60	
	19th of May, 1926	Westmeath	10.70	
	19th of May, 1926	Ross	2.20	
	15th of December, 1926	Arnprior Town	0.73	14.68
				17.83

Provincial Highways Assumed in 1927

County	Date of Designation	Municipality	Mileage	Total Mileage
Brant	2nd of July, 1927	Dumfries South	5.33	
	2nd of July, 1927	Brantford	5.85	
		Oakland	3.65	14.83
Bruce	22nd of June, 1927	Brant	5.31	5.31
Dundas	2nd of July, 1927	Williamsburg	9.64	
		Winchester	6.53	
		Mountain	4.04	20.21
Grenville	30th of March, 1927	Kemptville Village	0.04	0.04
Grey	22nd of June, 1927	Bentinck	9.53	
	2nd of July, 1927	Sydenham	9.88	
		St. Vincent	9.95	
		Collingwood	10.37	39.73

Provincial Highways Assumed in 1927—Continued.

County	Date of Designation	Municipality	Mileage	Total Mileage
Haldimand	13th of April, 1927	Caledonia Village	0.86	
	11th of May, 1927	Walpole	1.61	2.47
Halton	13th of July, 1927	Trafalgar	7.95	7.95
Huron	14th of September, 1927	Stephen	2.48	
		Usborne	3.69	
		Hay	3.75	
		Tuckersmith	6.6	
		Stanley	4.7	21.22
Kent	1st of June, 1927	Howard	12.94	
		Camden	11.7	
		Zone	0.3	
		Chatham	0.94	25.88
Lambton	25th of May, 1927	Dawn	11.75	
		Enniskillen	8.87	
		Plympton	2.39	
	13th of July, 1927	Warwick	7.97	30.98
Lanark	17th of August, 1927	Ramsey	10.18	
		Packenham	10.92	
		Beckwith	0.05	21.15
Leeds	11th of May, 1927	Elizabethtown	13.58	
		Yonge	0.92	
		Kitley	10.29	
		Elmsley South	3.78	28.57
Middlesex	14th of September, 1927	Biddulph	8.04	
		McGillivray	2.54	
	2nd of July, 1927	London	6.1	
		Lobo	8.08	
		Caradoc	2.17	
		Adelaide	8.78	35.71
Norfolk	14th of December, 1927	Delhi Village	0.38	
	11th of May, 1927	Woodhouse	6.09	
	2nd of July, 1927	Townsend	10.63	
		Windham	1.0	
	26th of October, 1927	Town of Simcoe	0.35	18.45
Ontario	2nd of July, 1927	Pickering	9.35	
		Whitby	2.87	
	17th of August, 1927	Brock	6.28	
		Thorah	2.66	
		Mara	15.34	
	28th of December, 1927	Thorah	6.78	
		Brock	0.68	43.96
Peel	2nd of July, 1927	Toronto Gore	3.4	
		Chingacousy	4.27	7.67
Perth	22nd of June, 1927	Logan	9.7	
		Elma	12.05	
		Wallace	9.22	30.97
Peterborough	22nd of June, 1927	Smith	7.16	7.16
Simcoe	2nd of July, 1927	Vespra	10.96	
		Flos	4.75	
		Sunnidale	6.47	
		Nottawasaga	8.07	
	14th of September, 1927	Tiny	8.79	
		Tay	4.45	
		Flos	11.45	
		Vespra	4.7	59.64
Victoria	22nd of June, 1927	Emily	6.99	
		Ops	8.69	15.68
Waterloo	2nd of July, 1927	Waterloo	4.79	
		Dumfries North	6.31	11.10
Welland	11th of May, 1927	Wainfleet	8.4	
		Humberstone	7.61	
		Bertie	9.86	25.87
Wellington	22nd of June, 1927	Minto	2.11	
	14th of December, 1927	Rockwood Village	0.36	
	2nd of July, 1927	Guelph	4.69	7.16
Wentworth	25th of May, 1927	Beverley	1.48	
		Flamboro West	6.52	
	5th of October, 1927	Saltfleet	2.40	10.40

Provincial Highways Assumed in 1927—Continued.

County	Date of Designation	Municipality	Mileage	Total Mileage
York	2nd of July, 1927	Markham	13.18	
		Vaughan	10.88	
	17th of August, 1927	Town of Aurora	0.40	
	26th of January, 1927	Scarborough	0.89	25.35
				517.46

Reversions from January 1st, 1926, to December 31st, 1926

County	Municipality	Year	Mileage	Total Mileage
Essex	Windsor City	1926	0.24	0.24
Hastings	Belleville City	1926	0.56	
	Trenton Town	1926	0.29	0.85
Leeds	Gananoque Town	1926	1.60	1.60
Prince Edward	Sophiasburg	1926	0.36	
	Ameliasburg	1926	0.83	
	Ameliasburg	1926	0.34	1.53
Renfrew	Pembroke	1926	1.00	
	Westmeath	1926	12.00	
	Ross	1926	6.00	19.00
				23.22

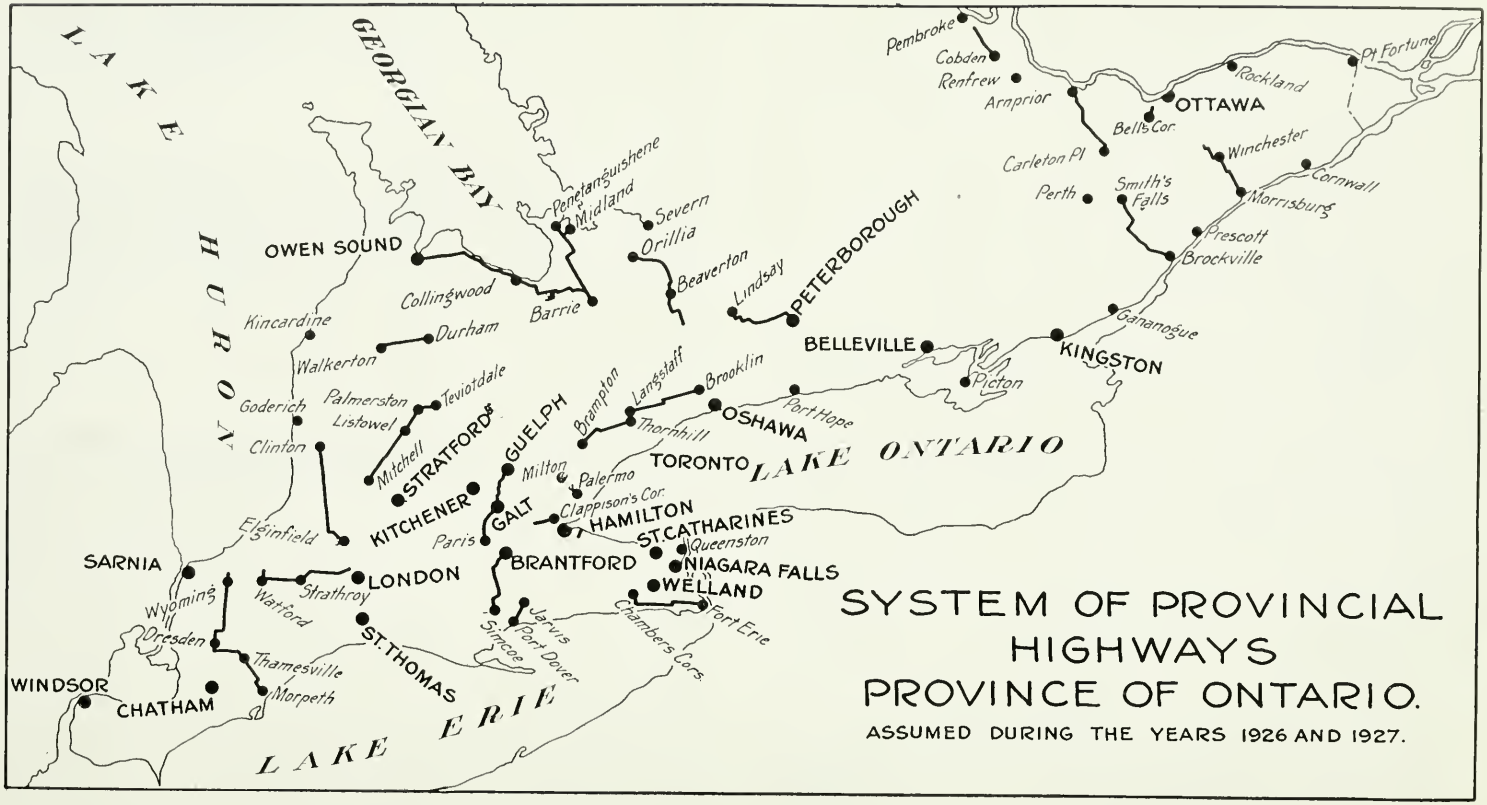
Reversions from January 1st, 1927, to December 31st, 1927

County	Municipality	Year	Mileage	Total Mileage
Norfolk	Delhi Village	1927	0.42	0.42
Prescott	Plantagenet	1927	0.25	0.25
Wellington	Rockwood Village	1927	0.30	0.30
Wentworth	Flamboro East	1927	0.66	0.66
York	Scarborough	1927	0.53	0.53
				2.16

APPENDIX No. 7

GROWTH OF COUNTY ROAD EXPENDITURES AND PROVINCIAL GRANTS

Year work was done	Number of Counties	Expenditure	Government Grant
1903	4	$166,149 06	$55,383 02
1904	7	291,085 42	97,028 48
1905	7	179,593 62	59,864 53
1906	10	247,102 37	82,367 45
1907	14	383,518 86	127,839 62
1908	15	429,393 57	143,131 16
1909	16	440,374 08	146,791 36
1910	17	553,312 61	184,437 54
1911	19	712,072 52	237,357 50
1912	20	898,631 18	299,543 69
1913	20	847,684 15	282,561 35
1914	20	785,521 93	261,840 61
1915	20	811,540 05	270,513 34
1916	23	955,447 19	327,663 76
1917	32	1,388,341 87	483,621 32
1918	36	2,226,899 70	815,440 01
1919	37	5,714,937 19	2,623,719 24
1920	37	7,956,863 72	3,626,418 08
1921	37	11,078,288 39	5,119,882 26
1922	37	9,162,491 79	4,258,339 83
1923	37	7,403,509 96	3,418,523 07
1924	37	6,861,451 62	3,214,321 50
1925	37	6,608,431 04	3,222,678 10
1926	37	5,838,445 12	2,913,660 96
1927	37	7,424,464 85	3,706,719 88
Totals to date	..	$79,365,551 86	$35,979,647 66


LAKE HURON
GEORGIAN BAY
LAKE ONTARIO
LAKE ERIE
OWEN SOUND
Kincardine
Collingwood
Durham
Barrie
Penetanguishene
Midland
Severn
Orillia
Beaverton
Lindsay
PETERBOROUGH
Walkerton
Goderich
Palmerston
Listowel
Teviotdale
Clinton
Mitchell
STRATFORD
GUELPH
Brampton
Langstaff
Brooklin
OSHAWA
Port Hope
Thornhill
TORONTO
Milton
Palermo
Clappison's Cor.
KITCHENER
GALT
HAMILTON
ST. CATHARINES
Queenston
Elginfield
Paris
BRANTFORD
NIAGARA FALLS
WELLAND
Fort Erie
Chambers Cors.
Jarvis
Port Dover
Simcoe
SARNIA
LONDON
Strathroy
Wyoming
Watford
Oresden
Thamesville
ST. THOMAS
Morpeth
WINDSOR
CHATHAM
Pembroke
Cobden
Renfrew
Arnprior
OTTAWA
Bells Cor.
Carleton Pl
Perth
Smith's Falls
Rockland
Pt Fortune
Winchester
Cornwall
Morrisburg
Prescott
Brockville
Gananoque
BELLEVILLE
Picton
KINGSTON
SYSTEM OF PROVINCIAL HIGHWAYS
PROVINCE OF ONTARIO.
ASSUMED DURING THE YEARS 1926 AND 1927.

APPENDIX No. 8

COUNTY ROAD MILEAGE AND EXPENDITURE

From Inception of County Road Systems up to December 31st, 1927
Provincial Subsidies on 1927 Expenditure being paid in 1928

County	Year of Establishment of System	Road Mileages			Total Approved Expenditure to end of 1927	Total Government Grant
		County Roads	County Suburban Roads	Total		
Brant	1917	61.8	25.0	86.8	$1,525,029 57	$754,280 64
Bruce	1917	302.5	.....	302.5	1,744,826 20	862,392 38
Carleton	1909	137.0	84.0	221.0	4,963,128 22	2,274,486 42
Dufferin	1918	160.0	.....	160.0	817,840 66	374,557 65
Elgin	1917	212.2	16.3	228.5	1,562,537 35	705,554 28
Essex	1916	191.0	41.0	232.0	3,499,313 53	1,694,045 04
Frontenac	1907	112.5	36.5	149.0	959,010 10	413,496 03
Grey	1918	181.5	44.0	225.5	2,156,981 77	1,055,614 04
Haldimand	1911	126.5	.....	126.5	1,518,114 71	657,914 64
Halton	1907	111.0	.....	111.0	1,596,876 48	702,492 85
Hastings	1904	375.1	4.9	380.0	2,124,819 07	935,268 99
Huron	1917	344.0	.....	344.0	1,671,752 00	772,610 73
Kent	1917	223.2	12.0	235.2	2,576,047 14	1,284,474 27
Lambton	1918	233.5	11.0	244.5	1,573,431 69	737,718 22
Lanark	1903	199.5	6.5	206.0	1,893,800 08	868,986 30
Leeds and Grenville	1910	275.3	5.4	280.7	1,894,471 15	800,528 24
Lennox and Addington	1906	140.0	.....	140.0	1,112,654 59	511,003 00
Lincoln	1904	136.3	9.7	146.0	2,831,715 37	1,152,670 83
Middlesex	1906	356.5	28.0	384.5	2,506,983 15	1,069,181 37
Norfolk	1917	200.3	.....	200.3	1,830,923 36	829,788 49
Northumberland and Durham	1918	269.0	.....	269.0	1,084,389 28	513,908 94
Ontario	1918	162.5	9.0	171.5	1,013,961 61	473,346 78
Oxford	1904-7	213.5	7.5	221.0	1,885,332 01	769,967 72
Peel	1906	123.1	.....	123.1	1,581,499 21	652,631 71
Perth	1907	137.8	9.0	146.8	1,054,115 29	442,097 78
Peterborough	1919	129.7	38.0	167.7	489,361 61	220,040 45
Prescott and Russell	1917	207.0	.....	207.0	3,499,377 53	1,522,242 68
Prince Edward	1907	113.0	.....	113.0	1,094,293 38	458,168 90
Renfrew	1918	195.0	.....	195.0	2,372,904 28	1,141,775 67
Simcoe	1903	255.3	.....	255.3	2,607,224 90	1,148,603 65
Stormont, Dundas and Glengarry	1917	313.7	.....	313.7	4,119,269 92	1,986,115 78
Victoria	1917	156.3	.....	156.3	1,409,244 27	693,636 41
Waterloo	1908	137.0	17.1	154.1	2,067,601 04	987,201 62
Welland	1912	108.0	14.5	122.5	3,166,805 17	1,404,050 78
Wellington	1903	282.5	11.0	293.5	2,292,461 37	1,019,631 36
Wentworth	1902	121.3	31.2	152.5	2,617,298 49	1,124,013 41
York	1911	9.0	232.0	241.0	6,650,156 31	2,965,149 61
Totals	....	7,013.4	693.6	7,707.0	$79,365,551 86	$35,979,647 66

APPENDIX

SUMMARY,

Statement of Work and

County	Work Done						
	Miles Graded	Miles Stoned		Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	7.25	Concrete	4.00	6.75	1,723	.....	27	77
Bruce	16.16	Bit. Mac.	1.55	18.50	.....	5	31	20
		Concrete	1.47					
			0.20					
Carleton	24.18	Bit. Mac.	5.80	14.95	162	.....	72	1
		Asp. Con.	2.50					
Dufferin	5.80	.....		5.30	.....	4	29	.....
Elgin	3.50		1.62	0.75	1,354	1	17	.....
Essex	4.25	Concrete	0.25	5.00	.....	2	17	1
Frontenac	2.00		2.00	.....	.....	.....	4	1
Grey	17.10	.....		16.85	.....	3	20	21
Haldimand	.....	.....		1.50	.....	.....	29	.....
Halton	.....	.....		.....	.....	1	.....	3
Hastings	17.25		8.50	8.25	.....	4	68	5
Huron	21.08	.....		15.87	.....	2	22	10
Kent	25.20	Concrete	1.52	25.77	1,484	6	57	1
			6.37					
Lambton	12.20	Concrete	0.63	8.45	60	.....	36	12
			3.20					
Lanark	7.85	Bit. Mac.	3.90	.....	.....	2	48	6
Leeds and Grenville	18.50		9.20	9.00	6	5	65	.....
Lennox and Addington	4.20		2.20	.....	.....	2	30	7
Lincoln	1.00		1.00	.....	.....	.....	44	2
Middlesex	17.56	.....		.....	54	5	31	5
Norfolk	7.00	.....		10.50	.....	.....	22	.....
Northumberland and Durham	10.08	.....		19.68	.....	6	63	2
Ontario	2.44	.....		.....	1	.....	67	3
Oxford	20.87		1.87	33.75	409	.....	13	.....
Peel	14.05	.....		11.60	.....	5	68	7
Perth	3.97	.....		3.97	382	1	47	1
Peterborough	4.83	.....		4.83	.....	2	18	2
			4.00					
Prescott and Russell	21.16	Bit Mac.	0.33	13.25	.....	1	22	.....
Prince Edward	5.53		5.00	.....	4	.....	103	1
Renfrew	3.84	.....		3.30	.....	4	20	21
Simcoe	18.71	.....		18.54	.....	8	33	2
Stormont, Dundas and Glengarry	20.75		13.25	1.00	.....	2	62	13
		Bit. Mac.	1.09					
			3.87					
Victoria	5.83	Bit. Mac.	0.21	1.23	.....	3	98	.....
		Asp. Conc.	0.44					
Waterloo	8.43	Concrete	1.79	6.75	36	.....	24	2
Welland	.....	.....		.....	.....	.....	3	3
		Concrete	0.52					
Wellington	6.08	Asp. Con.	0.35	4.25	.....	4	63	1
			12.33					
Wentworth	18.37	Concrete	1.00	2.50	139	.....	40	2
		Bit. Mac.	0.75					
			6.89					
York	28.00	Bit. Mac.	5.15	2.63	224	4	130	12
		Asp. Con.	6.13					
Totals	405.02		*120.88	274.74	6,038	82	1,543	244

*Includes:—
Water-bound Macadam.....81.50 miles.
Bituminous Macadam.....18.78 "
Cement Concrete .....11.18 "
Asphaltic Concrete..... 9.42 "

No. 9

1926

Expenditure on County Roads

Approved Expenditure

Roads and Culverts	Bridges	Machinery and Repairs	Urban Improvement	Purchase of Gravel Pits	Superintendence	Total Construction	Maintenance	Total Approved Expenditure	Subsidy 50%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
97,657 68	508 35	15,280 87	6,360 00	908 58	5,164 22	125,879 70	49,643 86	175,523 56	87,392 04
141,892 96	7,210 56	14,277 31	3,141 80	.....	4,200 24	170,722 87	35,006 13	205,729 00	102,827 06
229,610 74	.....	7,581 45	.....	.....	10,724 91	247,917 10	64,631 90	312,549 00	156,274 50
18,850 17	17,275 43	827 10	3,083 44	.....	3,785 04	43,821 18	17,394 46	61,215 64	30,564 11
20,117 96	7,622 65	9,306 04	3,430 39	.....	3,133 48	43,610 52	77,862 03	121,472 55	60,736 28
24,442 53	22,918 53	10,655 12	25,672 85	1,497 80	4,589 64	89,776 47	94,890 02	184,666 49	92,214 09
9,455 88	.....	2,145 28	.....	50 00	2,094 51	13,745 67	50,458 42	64,204 09	32,102 05
62,528 91	40,504 44	2,616 66	4,216 46	.....	4,895 94	114,762 41	54,861 17	169,623 58	84,717 06
2,551 81	.....	738 27	2,425 00	.....	2,963 83	8,678 91	48,941 41	57,620 32	28,810 16
1,631 50	2,098 48	106 77	.....	.....	2,063 95	5,900 70	24,651 38	30,552 08	15,276 04
59,899 99	12,332 79	5,780 10	21,139 61	250 00	3,484 21	102,886 70	56,066 19	158,952 89	79,476 45
58,553 23	9,542 01	8,279 48	9,821 00	.....	4,952 85	91,148 57	78,203 18	169,351 75	84,675 88
86,883 87	6,244 81	7,061 17	9,165 36	3,400 00	4,464 30	117,219 51	76,915 74	194,135 25	97,067 63
50,500 21	990 83	13,006 29	18,910 46	8,519 43	4,829 05	96,756 27	74,232 50	170,988 77	85,494 39
120,142 26	38,084 06	10,209 24	38,346 99	.....	3,048 52	209,831 07	21,165 17	230,996 24	115,498 12
86,143 09	13,010 93	4,785 29	7,286 76	.....	4,439 78	115,665 85	39,454 99	155,120 84	77,560 42
21,268 33	10,225 42	6,745 23	4,218 00	.....	2,932 16	45,389 14	46,502 99	91,892 13	45,895 81
11,549 74	.....	3,977 75	4,210 10	.....	4,913 68	24,651 27	59,155 01	83,806 28	41,903 14
15,527 15	37,550 10	9,200 35	10,352 87	3,390 00	4,904 17	80,924 64	76,080 63	157,005 27	78,351 23
42,695 31	.....	6,549 28	1,521 86	2,890 00	4,009 89	57,666 34	38,306 21	95,972 55	47,875 28
40,115 86	11,678 76	5,793 32	4,962 36	.....	4,473 12	67,023 42	27,195 41	94,218 83	47,109 42
9,792 97	1,357 61	723 41	51,000 00	.....	4,397 33	67,271 32	32,404 34	99,675 66	49,837 82
63,784 86	138 00	8,774 63	6,878 11	.....	3,183 87	82,759 47	19,194 50	101,953 97	50,976 98
41,753 02	21,453 36	7,334 02	.....	.....	3,633 40	74,173 80	28,890 16	103,063 96	51,298 04
30,524 61	2,521 60	14,532 58	.....	.....	4,712 21	52,291 00	31,589 00	83,880 00	41,940 00
14,361 47	8,912 51	6,244 46	.....	.....	2,119 70	31,638 14	38,836 19	70,474 33	34,345 91
45,078 07	.....	.....	4,194 35	.....	5,359 96	54,632 38	13,767 61	68,399 99	34,088 97
33,508 04	.....	8,672 59	.....	800 00	2,219 61	45,200 24	25,239 45	70,439 69	35,219 84
29,301 48	23,239 80	.....	21,337 50	.....	5,677 25	79,556 03	29,716 96	109,272 99	52,420 78
66,663 85	24,920 74	1,791 20	49,938 66	.....	3,820 00	147,134 45	45,919 82	193,054 27	96,527 14
117,213 59	1,665 19	5,979 18	20,549 08	.....	6,840 63	152,247 67	105,284 04	257,531 71	128,756 40
57,400 76	12,887 79	7,572 38	28,921 67	.....	4,994 60	111,777 20	49,812 13	161,589 33	79,975 56
75,152 09	567 22	1,029 84	117,636 61	.....	4,254 95	198,640 71	35,100 70	233,741 41	116,870 71
14,895 61	6,127 02	5,097 35	82,798 75	.....	3,707 50	112,626 23	133,190 21	245,816 44	122,908 22
22,173 73	4,847 78	4,837 68	7,400 85	.....	3,366 29	42,626 33	87,392 30	130,018 63	64,926 57
156,597 33	.....	5,718 86	3,588 75	.....	6,338 84	172,243 78	44,479 78	216,723 56	108,361 78
602,726 12	39,809 47	1,902 86	14,991 08	250 00	6,264 24	665,943 77	41,268 30	707,212 07	353,385 08
2,582,946 78	386,246 24	225,133 41	587,500 72	21,955 81	160,957 87	3,964,740 83	1,873,704 29	5,838,445 12	2,913,660 96

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1926

County	Brushing and Weed Cutting	Ditching	Grading	Dragging	Culverts (Repairs only)
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	862 13	2,822 75	1,769 29	5,542 87	1 60
Bruce	512 47	.....	3,656 96	5,644 51	417 76
Carleton	1,556 65	922 18	4,311 41	391 55	717 78
Dufferin	67 15	77 60	854 81	2,021 61	132 75
Elgin	1,277 08	745 93	8,454 91	5,816 35	1,018 75
Essex	1,287 06	2,942 22	1,417 86	11,259 20	284 02
Frontenac	115 60	20 10	994 70	1,584 00	322 20
Grey	568 66	2,694 05	2,071 30	4,803 56	595 34
Haldimand	818 95	.....	536 83	2,633 54	278 75
Halton	235 10	236 15	123 70	1,170 50	360 61
Hastings	611 53	219 30	10,499 95	3,446 80	3,446 19
Huron	1,871 35	1,196 67	3,080 74	11,892 39	1,304 24
Kent	2,159 15	1,020 56	3,351 53	13,248 59	358 67
Lambton	782 31	2,426 88	1,937 20	18,266 55	5,288 28
Lanark	12 00	.....	2,369 21	.....	2,700 83
Leeds and Grenville	.....	443 36	1,132 05	1,455 35	302 02
Lennox and Addington	.....	.....	6 75	132 20	113 62
Lincoln	1,682 36	1,057 15	97 52	2,523 46	1,313 99
Middlesex	1,918 48	1,130 20	2,047 74	12,561 90	402 43
Norfolk	812 95	127 22	3,160 99	3,903 70	639 50
Northumberland and Durham	348 69	1,172 02	745 25	7,703 56	677 54
Ontario	830 25	187 38	773 11	4,830 00	432 23
Oxford	956 65	582 14	2,077 40	2,361 00	990 94
Peel	617 07	263 37	616 75	2,367 95	412 25
Perth	379 27	130 50	3,300 25	585 37	228 15
Peterborough	170 65	247 25	249 50	4,527 50	1,469 90
Prescott and Russell	891 47	909 81	2,561 32	1,146 06	95 63
Prince Edward	185 00	.....	205 10	162 20	158 71
Renfrew	661 77	17 75	1,562 17	1,184 14	1,290 37
Simcoe	.....	85 25	1,247 10	5,734 87	208 80
Stormont, Dundas and Glengarry	3,329 60	922 98	3,480 27	542 30	1,382 31
Victoria	1,015 45	287 40	4,498 43	5,589 09	266 75
Waterloo	8 48	48 50	1,521 47	844 10	1,080 05
Welland	558 60	1,802 65	5,532 14	38 07	733 39
Wellington	333 05	355 16	14,912 10	13,185 71	991 58
Wentworth	1,696 20	2,762 55	777 34	3,465 92	174 65
York	1,377 46	2,315 79	1,946 98	2,770 94	72 36
Totals	30,510 64	30,172 82	97,832 13	165,377 41	30,664 94

No. 10

1926

and Repair on County Roads

and ending December 31st, 1926.

Bridges (Repairs only)	Re-surfacing	Oiling, etc.	Snow Roads	Wire Fence Bonus and Guard Rails	Total Expenditure	Government Grant, 50%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
51 65	37,281 33	388 72	800 35	123 17	49,643 86	24,503 02
1,585 33	13,601 51	3,991 20	5,596 39	.....	35,006 13	17,503 06
1,690 83	29,936 36	16,590 78	7,497 35	1,017 01	64,631 90	32,315 95
264 52	12,430 10	.....	1,545 92	.....	17,394 46	8,697 23
2,280 36	52,837 91	2,276 69	3,154 05	.....	77,862 03	38,931 01
854 77	73,209 56	3,017 41	617 92	.....	94,890 02	47,445 01
1,448 36	7,648 82	37,452 32	349 78	522 54	50,458 42	25,229 21
386 17	19,057 18	18,920 96	2,895 40	2,868 55	54,861 17	27,430 58
40 05	43,684 64	.....	948 65	.....	48,941 41	24,470 70
.....	21,885 97	166 03	454 39	18 93	24,651 38	12,325 69
431 98	32,856 09	3,058 74	1,505 61	.....	56,066 19	28,033 09
8,469 18	37,064 41	6,339 86	6,977 34	7 00	78,203 18	39,101 59
4,015 73	48,979 80	1,983 46	649 75	1,148 50	76,915 74	38,457 87
487 31	41,969 85	2,548 97	525 15	.....	74,232 50	37,116 25
.....	10,390 84	3,784 67	1,019 66	887 96	21,165 17	10,582 59
408 81	30,372 71	5,211 19	129 50	.....	39,454 99	19,727 49
302 75	26,465 31	18,277 12	987 74	217 50	46,502 99	23,201 24
19 52	31,293 91	19,302 80	1,864 30	.....	59,155 01	29,577 50
281 38	48,344 63	3,228 75	6,165 12	.....	76,080 63	37,898 90
137 10	26,966 73	820 44	1,688 14	49 44	38,306 21	19,153 10
1,352 66	12,562 95	557 71	2,037 06	37 97	27,195 41	13,597 71
104 78	19,106 57	1,619 48	3,289 86	1,230 68	32,404 34	16,202 17
213 04	10,494 76	.....	1,306 12	212 45	19,194 50	9,597 25
1,176 27	15,735 04	7,507 54	.....	193 92	28,890 16	14,445 08
243 89	21,391 76	1,725 95	3,080 96	522 90	31,589 00	15,794 50
4,701 53	25,508 75	12 00	1,536 13	412 98	38,836 19	19,418 09
91 79	6,371 72	.....	1,699 81	.....	13,767 61	6,879 66
83 35	5,877 72	17,651 22	673 90	242 25	25,239 45	12,619 73
142 05	5,347 62	18,867 48	521 46	122 15	29,716 96	14,858 48
409 53	33,551 35	.....	3,932 70	750 22	45,919 82	22,959 91
1,577 91	44,795 67	44,182 06	5,070 94	.....	105,284 04	52,632 57
77 77	24,154 54	10,608 76	2,724 74	589 20	49,812 13	24,906 07
5,058 20	23,184 51	708 80	2,646 59	.....	35,100 70	17,550 35
2,011 63	77,414 86	41,811 97	3,241 90	45 00	133,190 21	66,595 10
828 94	47,689 76	326 19	8,579 06	190 75	87,392 30	43,629 10
.....	21,279 05	9,916 15	4,407 94	.....	44,479 78	22,239 89
.....	351 20	29,386 36	3,047 21	.....	41,268 30	20,634 15
41,229 14	1,041,095 47	332,241 78	93,168 89	11,411 07	1,873,704 29	936,260 89

APPENDIX

SUMMARY,

Statement of Work and

County	Work Done											
	Miles Graded	Miles Stoned		Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts	Roads and Culverts		Bridges	
									$	c.	$	c.
Brant	5.03			4.83	321	2	22	2	39,617	45	53,935	95
Bruce	14.62			17.87	18	8	25	12	102,830	09	16,926	37
Carleton	25.50	Bit. Mac.	3.00 9.05	8.30	80	3	80	7	245,482	16	18,036	09
		Asp. Con.	2.65									
Dufferin	26.60			24.30		3	104		42,873	62	14,828	25
Elgin	4.34		1.60	1.90	1,599	1	13	5	33,519	38	4,022	20
Essex	10.00	Concrete	7.00	3.00	1,022	5	20	4	231,915	44	24,338	53
Frontenac	15.75		11.25	1.75		1	18	2	25,358	27	672	87
Grey	17.00			17.00	182	10	22	34	97,770	42	35,169	36
Haldimand	26.50		3.00	1.00			176		21,887	31		
Halton								1	9,214	44	559	90
Hastings	15.35	Asp. Con.	7.75 0.60	6.75		5	44		57,547	10	9,316	01
Huron	28.50			29.75		1	21	18	91,140	75	3,595	90
Kent	23.67	Asp. Con.	0.36 1.02	31.78	411	2	110		89,261	98	7,709	91
Lambton	16.07	Con.	11.50 0.32	4.75	1,600	4	49	21	52,402	39	3,215	60
Lanark	6.95	Bit. Mac.	6.25 1.13				45	8	80,337	52	6,976	20
Leeds and Grenville	18.85	Bit. Mac.	10.15 0.70	12.25	60	1	67	1	115,498	31	4,776	53
Lennox and Addington	8.21	Asp. Con.	2.65 5.44			3	11		101,376	25	9,548	00
Lincoln	14.75	Concrete	12.95 1.80				65	10	170,270	69	1,630	16
Middlesex	15.23	Concrete	6.33	1.00	803		25	8	197,721	95		
Norfolk	18.00			16.00			44	5	68,265	84	4,717	97
Northumberland and Durham	8.87	Asp. Con.	1.37	17.31		6	36	1	33,003	24	12,686	80
Ontario	5.97		0.27	7.00	247	5	15	4	15,147	52	12,034	78
Oxford	10.36	Asp. Con.	4.36 3.35	10.00	1,071	3	4		112,094	71	7,454	00
Peel	21.10	Concrete	2.90	19.35	1,734	1	137		155,277	90	6,161	29
Perth	39.40			55.45	23	4	41		70,199	54	9,029	47
Peterborough	5.75			4.25			40	2	23,179	39		
Prescott and Russell	63.75		10.25 2.88	13.25		1	35	7	148,308	92	1,379	00
Prince Edward	7.50	Bit. Mac.	2.75			1	56	1	40,758	20	1,005	95
Renfrew	4.70			4.20		1	8	9	25,491	44	8,557	47
Simcoe	20.73		0.85	20.13		4	28	5	89,068	76	21,623	13
Stormont, Dundas and Glengarry	27.00	Bit. Mac.	23.50 1.05	3.00		2		4	119,736	41	2,549	00
Victoria	10.80	Asp. Con.	3.97 2.00	3.91		3	89	1	75,924	75	9,563	86
Waterloo	12.20	Concrete	4.87	6.95	7	1	37	7	211,047	72	4,353	19
Welland	7.94	Bit. Mac.	3.25 4.44		26		12	12	95,036	16		
Wellington	17.34	Concrete	0.50 2.20	12.50	61	4	95	7	96,491	08	7,673	61
Wentworth	15.95	Bit. Mac.	11.53 2.00		146		29		138,082	68		
		Concrete	0.31									
York	23.17	Bit. Mac.	14.95 8.47	15.75	2,812	2	68	6	576,626	85	19,656	42
		Asp. Con.	1.75									
Totals	613.45		*220.27	375.28	12,223	87	1,691	204	3,899,766	63	343,703	77

*Includes:—
Water-bound Macadam....145.76 miles.
Bituminous Macadam..... 29.59 "
Cement Concrete. ..... 25.73 "
Asphaltic Concrete..... 19.19 "

No. 11

1927

Expenditure on County Roads

Approved Expenditure									
Machinery and Repairs	Urban Improvement	Purchase of Gravel Pits	Superintendence	Total Construction	Maintenance	Total Approved Expenditure	Subsidy 50%	Disallowed	Receips
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,451 17	.....	875 00	5,212 93	109,092 50	53,435 22	162,527 72	81,263 86	559 81	10,320 52
16,868 00	32,146 71	.....	4,292 45	173,063 62	56,352 64	229,416 26	114,708 13	509 05	42 00
3,123 47	10,247 71	.....	10,643 52	287,532 95	60,770 16	348,303 11	174,151 56	1,020 84	6,971 09
3,547 59	17,776 85	.....	3,683 23	82,709 54	33,312 94	116,022 48	58,011 24	.....	82 32
9,381 95	6,358 67	.....	3,264 97	56,547 17	108,385 85	164,933 02	82,466 52	.....	2,686 78
13,912 62	1,834 68	1,437 80	4,393 93	277,833 00	97,161 14	374,994 14	187,497 07	394 00	18,628 60
1,273 27	.....	250 00	2,065 92	29,620 33	64,405 13	94,025 46	47,012 73	.....	.....
6,975 86	8,330 60	.....	4,442 34	152,688 58	38,042 46	190,731 01	94,186 38	872 45	5,977 67
3,550 05	3,395 00	.....	3,746 27	32,578 63	48,768 14	81,346 77	40,673 39	261 69	.....
792 12	19,122 20	.....	2,065 40	31,754 06	27,098 70	58,852 76	26,501 72	944 77	.....
7,866 58	10,370 92	.....	3,667 00	88,767 61	78,485 58	167,253 19	83,626 59	1,443 76	.....
6,805 60	22,764 76	.....	5,197 73	129,504 74	87,901 18	217,405 92	108,702 96	31 00	1,462 69
24,846 69	39,252 97	.....	4,822 70	165,894 25	86,679 40	252,573 65	125,286 82	3,319 17	1,732 82
12,451 47	9,762 78	10,813 26	4,038 18	92,683 68	93,714 80	186,398 48	93,199 24	90 40	6,012 02
7,562 71	37,188 84	.....	4,823 41	136,888 68	25,982 16	162,870 84	81,435 42	4,121 17	662 85
2,588 34	19,661 81	.....	3,296 02	145,821 01	28,299 74	174,120 75	87,060 38	33 00	84 75
2,306 17	22,297 20	.....	2,941 26	138,468 88	45,573 70	184,042 58	92,021 29	.....	.....
11,446 06	4,912 72	.....	4,888 28	193,147 91	65,645 77	258,793 68	129,396 84	1,549 53	727 22
7,237 91	.....	.....	5,023 31	209,983 17	88,467 17	298,450 34	149,225 17	.....	45,489 42
9,123 63	9,655 87	.....	4,458 65	96,221 96	57,786 13	154,008 09	77,004 05	.....	540 53
5,176 34	25,000 00	.....	4,216 37	80,082 75	42,267 15	122,349 90	61,174 95	420 00	1,181 22
3,368 21	.....	.....	4,985 94	35,536 45	43,326 45	78,862 90	39,431 45	94 13	810 27
9,320 76	.....	.....	3,010 20	131,879 67	52,756 19	184,635 86	92,317 93	2,211 90	3,022 69
2,012 55	.....	.....	3,947 36	167,399 10	32,499 31	199,898 41	99,949 20	4,902 54	14,117 52
2,891 92	.....	400 00	3,574 23	86,095 16	17,316 56	103,411 72	51,705 86	.....	78 40
6,493 55	.....	.....	3,471 00	33,143 94	46,026 85	79,170 79	39,585 39	310 26	758 94
1,565 80	.....	.....	3,124 26	154,377 98	54,327 74	208,705 72	104,352 86	1,274 64	571 43
9,373 90	.....	700 00	2,170 52	54,008 57	32,432 31	86,440 88	43,220 44	3,455 08	.....
826 71	29,610 00	.....	5,470 64	69,956 26	47,269 81	117,226 07	57,757 29	1,288 40	1,521 82
2,387 85	60,236 17	.....	3,585 00	176,900 91	53,118 30	230,019 21	114,456 59	900 00	54 10
2,626 61	19,142 23	.....	5,563 96	149,618 21	141,340 20	290,958 41	145,479 21	455 10	.....
7,536 96	28,921 67	.....	5,785 20	127,732 44	53,123 97	180,856 41	90,428 21	7,580 83	.....
7,943 79	5,468 60	.....	4,990 16	233,803 46	34,725 19	268,528 65	134,264 32	6,373 50	1,115 70
4,833 55	11,764 65	.....	3,818 48	115,452 84	111,976 13	227,428 97	113,714 49	6 00	.....
5,387 53	7,400 85	.....	3,967 95	120,921 02	106,988 86	227,909 88	113,954 94	604 13	3,969 13
4,225 97	.....	.....	6,510 85	148,819 50	55,329 77	204,149 27	102,074 63	1,452 14	3,155 56
1,884 82	27,854 08	.....	11,884 39	637,906 56	98,934 96	736,841 52	368,420 76	11,717 83	.....
238,968 08	490,478 54	14,476 06	167,044 01	5,154,437 09	2,270,027 76	7,424,464 85	3,706,719 88	58,197 12	131,778 06

APPENDIX
SUMMARY,
Schedule of Expenditure on Maintenance
For the period beginning January 1st, 1927,

County	Brushing and Weed Cutting	Ditching	Grading	Dragging	Culverts	Bridges
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	1,440 19	2,396 89	2,786 66	5,575 28	236 13	191 91
Bruce	1,139 07	.....	4,332 75	9,760 56	358 82	720 08
Carleton	3,923 92	3,032 73	2,220 55	1,090 51	424 77	2,234 53
Dufferin	221 20	1,504 40	2,599 15	3,368 61	72 70	1,276 78
Elgin	1,684 26	1,760 94	11,068 38	7,934 69	1,236 59	4,797 49
Essex	2,500 29	4,701 26	1,722 49	16,922 37	328 18	1,335 36
Frontenac	345 15	40 75	1,463 80	2,486 85	716 67	77 22
Grey	526 85	452 15	1,227 82	6,891 26	533 13	1,030 57
Haldimand	1,030 10	682 15	1,093 40	2,514 48	493 03	1,144 28
Halton	354 86	345 60	2,997 37	1,576 44	1,382 17	112 65
Hastings	942 48	.....	14,832 05	3,406 57	4,525 66	1,693 92
Huron	2,372 41	1,233 65	3,535 21	18,534 47	1,936 21	4,951 96
Kent	3,481 33	2,365 37	1,924 83	19,412 80	171 04	14,848 52
Lambton	970 30	833 93	2,763 37	21,445 87	4,120 43	885 97
Lanark	2,378 30	2,124 17	1,470 48	1,538 55	3,286 32	1,151 73
Leeds and Grenville	32 75	585 00	2,550 20	1,005 69	167 86	1,503 71
Lennox and Addington	68 88	81 45	227 75	36 00	298 70	349 04
Lincoln	2,165 68	2,681 94	591 25	3,439 49	954 41	885 74
Middlesex	2,679 82	1,187 50	1,291 56	16,665 59	362 47	2,573 08
Norfolk	1,041 55	352 79	1,743 88	4,474 74	344 31	555 42
Northumberland and Durham	505 97	1,445 55	1,462 73	7,595 47	664 58	7,619 19
Ontario	928 05	740 79	868 20	4,707 21	206 99	2,451 96
Oxford	1,079 68	696 28	380 48	5,398 17	422 99	829 45
Peel	494 06	741 34	776 90	2,802 98	142 73	2,159 47
Perth	1,021 33	110 45	3,541 18	2,536 34	410 43	87 35
Peterborough	266 35	942 59	1,070 14	6,043 78	388 34	10,484 19
Prescott and Russell	926 46	582 15	2,705 15	1,428 36	148 98	363 60
Prince Edward	251 00	.....	155 00	86 20	85 00	472 33
Renfrew	838 25	.....	2,218 72	1,120 35	920 81	1,593 79
Simcoe	.....	489 04	2,526 00	9,526 66	280 53	1,057 42
Stormont, Dundas and Glengarry	1,549 72	237 25	3,449 35	339 75	1,802 96	2,298 59
Victoria	2,411 40	1,095 61	6,711 17	8,001 55	268 96	1,924 73
Waterloo	333 55	460 70	2,208 04	1,253 70	195 36	261 07
Welland	1,896 25	1,587 35	2,708 25	21 00	693 22	45 15
Wellington	1,656 67	867 85	14,978 07	11,941 88	1,559 32	1,746 72
Wentworth	3,233 32	4,853 32	2,571 37	5,705 81	874 75	293 55
York	3,021 92	2,376 03	2,293 45	4,000 85	1,033 83	906 17
Totals	49,713 37	43,589 06	113,067 15	220,590 88	32,049 38	76,914 69

APPENDIX
Summary of Expenditure
The following schedule shows in detail the work and approved expenditure on Township

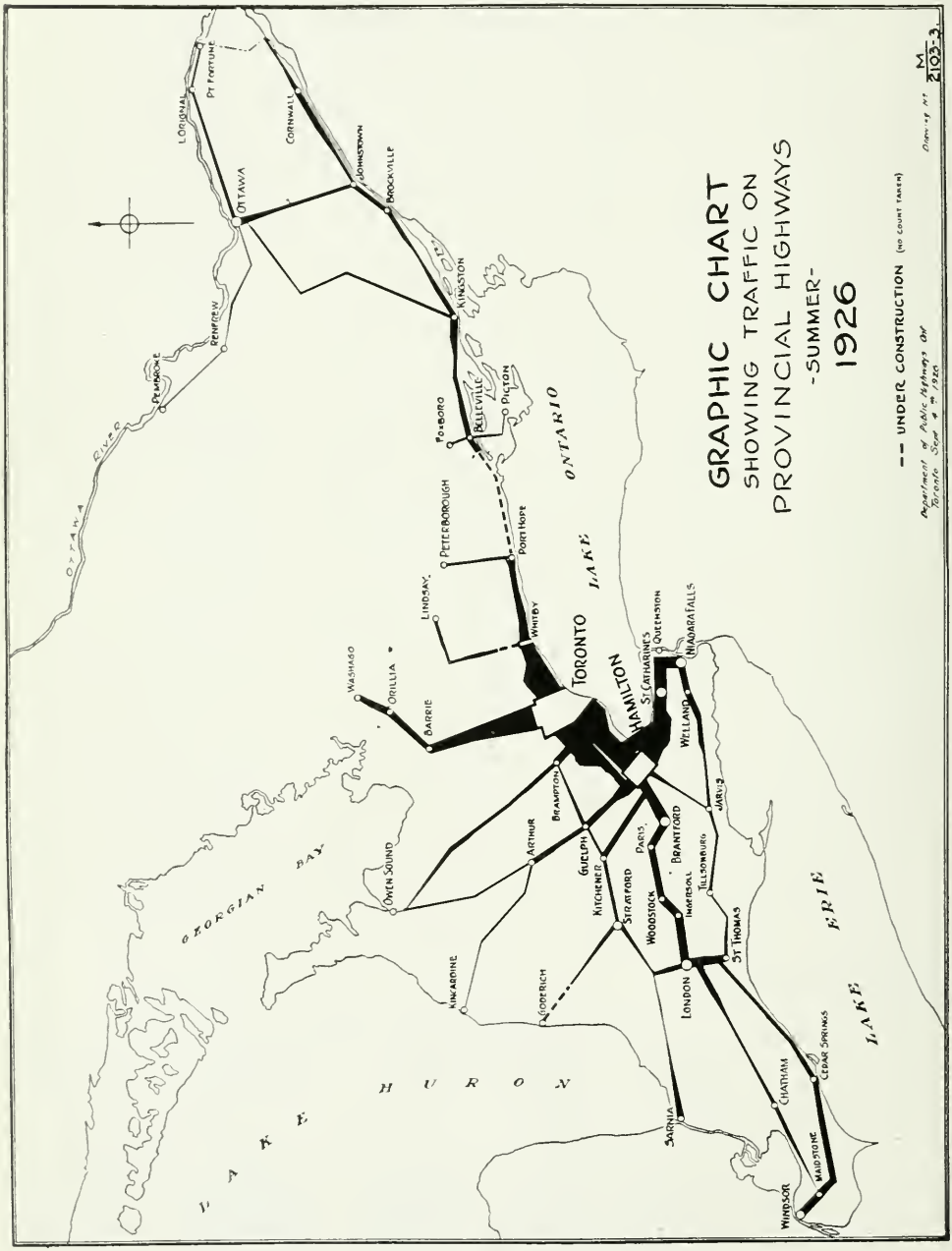
Year	No. of Twps.	General Expenditure				
		Roads and Culverts	Bridges	Maintenance	Machinery	Purchase of Gravel Pits
		$ c.	$ c.	$ c.	$ c.	$ c.
1920	172	432,618 62	270,596 52	828,027 27	91,704 24	8,513 47
1921	294	844,829 42	501,650 14	1,888,048 75	142,316 18	12,420 81
1922	312	774,336 84	374,158 51	1,832,200 75	87,936 37	23,573 06
1923	315	665,101 32	420,451 17	1,720,273 23	82,020 62	30,453 57
1924	320	725,631 40	334,348 63	1,861,036 56	95,758 21	12,727 08
1925	272	930,129 31	249,633 82	1,720,775 30	121,874 98	7,886 11
1926	295	1,379,063 62	282,968 54	2,154,503 96	188,804 36	33,251 25
1927	307	1,820,991 31	322,023 33	2,583,130 89	226,160 80	23,918 64
	Totals	7,572,701 84	2,755,830 66	14,587,996 71	1,036,575 76	152,743 99

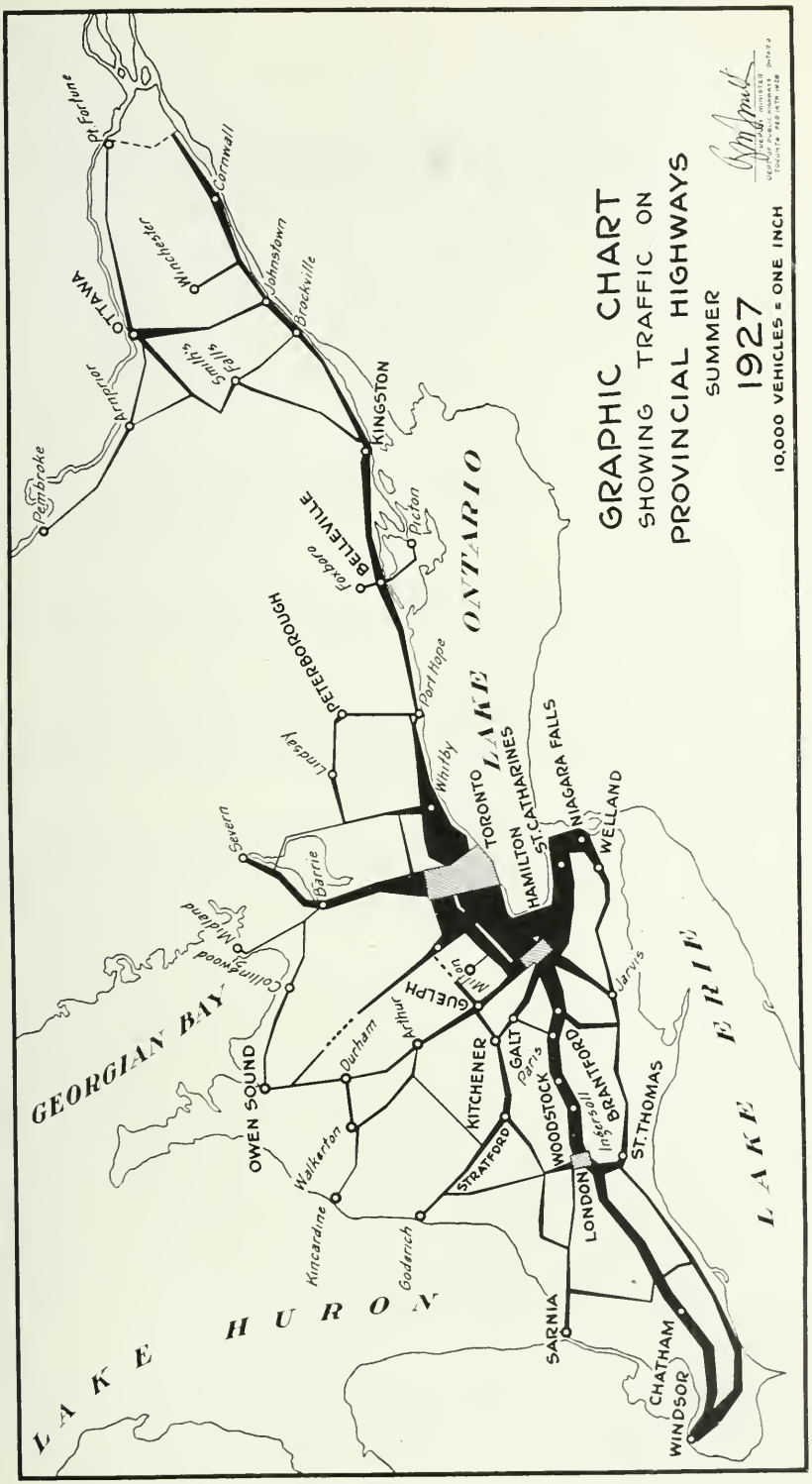
No. 12
1927
and Repair on County Roads
and ending December 31st, 1927

Re-surfacing	Oiling, etc.	Snow Roads	Wire Fence Bonus and Guard Rails	Urban Improvement	Total Expenditure	Government Grant, 50%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
39,989 34	.....	403 88	414 85	.....	53,435 22	26,717 61
29,359 70	90 61	1,038 51	.....	9,552 54	56,352 64	28,176 32
26,408 56	10,286 14	8,691 63	2,456 82	.....	60,770 16	30,385 08
21,015 09	.....	608 34	52 00	2,594 67	33,312 94	16,656 47
73,302 47	3,879 18	1,313 52	.....	1,408 33	108,385 85	54,192 92
64,542 55	4,821 19	287 45	.....	.....	97,161 14	48,580 57
30,768 82	27,750 88	270 40	484 59	.....	64,405 13	32,202 56
22,929 24	1,576 99	623 33	2,251 12	.....	38,042 46	19,021 23
41,729 35	.....	81 35	.....	.....	48,768 14	24,384 07
20,055 25	134 49	139 87	.....	.....	27,098 70	13,549 35
41,829 07	9,408 62	1,847 21	.....	.....	78,485 58	39,242 79
42,186 02	9,982 50	2,825 59	343 16	.....	87,901 18	43,950 59
44,285 28	.....	190 23	.....	.....	86,679 40	43,339 70
58,879 48	2,516 03	31 00	46 55	1,221 87	93,714 80	46,857 40
9,907 78	.....	1,853 99	2,270 84	.....	25,982 16	12,991 08
17,133 33	5,200 50	120 70	.....	.....	28,299 74	14,149 87
32,794 53	11,363 90	345 20	8 25	.....	45,573 70	22,786 85
39,283 60	10,245 81	265 04	148 68	4,984 13	65,645 77	32,822 88
57,620 59	4,568 99	1,517 57	.....	.....	88,467 17	44,233 57
46,965 78	925 19	1,317 99	64 48	.....	57,786 13	28,893 06
16,396 36	1,878 43	552 63	9 26	4,136 98	42,276 15	21,133 57
29,259 63	1,734 29	1,430 48	998 85	.....	43,326 45	21,663 23
41,538 70	1,804 73	456 58	149 13	.....	52,756 19	26,378 10
18,921 86	6,403 32	39 00	17 65	.....	32,499 31	16,249 66
4,615 58	.....	408 85	.....	4,585 05	17,316 56	8,658 28
23,760 58	1,102 56	204 35	124 21	1,639 76	46,026 85	23,013 42
16,701 16	22,877 00	1,390 42	265 70	6,938 76	54,327 74	27,163 87
8,507 19	21,392 29	250 05	1,233 25	.....	32,432 31	16,216 16
20,026 37	19,808 56	338 65	404 31	.....	47,269 81	23,634 91
37,632 54	.....	377 75	1,228 36	.....	53,118 30	26,559 15
60,897 17	65,196 47	5,287 37	281 57	.....	141,340 20	70,670 10
21,535 28	7,401 62	2,011 91	1,761 74	.....	53,123 97	26,561 99
25,374 93	2,787 87	1,842 56	7 41	.....	34,725 19	17,362 60
53,388 63	50,831 33	701 45	103 50	.....	111,976 13	55,988 06
68,799 46	1,224 57	4,199 62	14 70	.....	106,988 86	53,494 43
28,200 35	4,511 80	1,241 77	.....	3,843 73	55,329 77	27,664 88
36,717 17	43,490 11	2,531 18	.....	2,564 25	98,934 96	49,467 49
1,273,258 79	355,195 97	47,037 42	15,140 98	43,470 07	2,270,027 76	1,135,013 87

No. 13
on Township Roads
Roads to the end of 1927, under the provisions of the Highway Improvement Act.

		Superintendence		Total Approved Expenditure	Total Government Grant
Approved Expenditure	Government Grant	Approved Expenditure	Government Grant		
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,631,460 12	326,291 95	36,703 60	14,681 43	1,668,163 72	340,973 38
3,389,265 30	677,852 90	76,585 03	30,634 01	3,465,850 33	708,486 91
3,092,205 53	618,440 93	77,901 44	31,160 55	3,170,106 97	649,601 48
2,918,299 91	583,659 65	75,945 31	30,378 23	2,994,245 22	614,037 88
3,029,501 88	605,900 35	82,599 41	33,039 76	3,112,101 29	638,940 11
3,030,299 52	906,559 91	164,146 58	82,073 38	3,194,446 10	988,633 29
4,038,591 73	1,219,741 01	194,317 68	97,405 16	4,232,909 41	1,317,146 17
4,976,224 97	1,504,718 50	228,349 52	114,451 24	5,204,574 49	1,619,169 74
26,105,848 96	6,443,165 20	936,548 57	433,823 76	27,042,397 53	6,876,988 96


GRAPHIC CHART
SHOWING TRAFFIC ON
PROVINCIAL HIGHWAYS
-SUMMER-
1926
-- UNDER CONSTRUCTION (NO COUNT TAKEN)
Department of Public Highways Ont.
Toronto Sept 8th 1926
M
2103-3
ONTARIO
LAKE
HURON
GEORGIAN BAY
OTTAWA RIVER
LAKE ERIE
OTTAWA
PT FORTUNE
LONGUEIL
CORNWALL
JOHNSTOWN
BROCKVILLE
RENFREW
PEMBROKE
KINGSTON
BELLEVILLE
PICTON
TRENTON
PETERBOROUGH
PORT HOPE
LINDSAY
WHITBY
TORONTO
HAMILTON
ST CATHARINES
NIAGARA FALLS
WELLAND
DUNNVILLE
BARRIE
ORILLIA
WASHAGO
OWEN SOUND
ARTHUR
BRAMPTON
GUELPH
KITCHENER
STRATFORD
PARIS
BRANTFORD
WOODSTOCK
INGERSOLL
TILLSONBURG
ST THOMAS
LONDON
KINCARDINE
GODERICH
SARNIA
CHATHAM
CEDAR SPRINGS
MAIDSTONE
WINDSOR


GRAPHIC CHART
SHOWING TRAFFIC ON
PROVINCIAL HIGHWAYS
SUMMER
1927
10,000 VEHICLES = ONE INCH
LAKE ONTARIO
LAKE ERIE
LAKE HURON
GEORGIAN BAY
Pt Fortune
Cornwall
Winchester
Johnstown
Brockville
OTTAWA
Arnprior
Smith's Falls
KINGSTON
Pembroke
Picton
BELLEVILLE
Foxboro
PETERBOROUGH
Port Hope
Lindsay
Whitby
TORONTO
HAMILTON
ST. CATHARINES
NIAGARA FALLS
WELLAND
Severn
Barrie
Collingwood
Midland
GUELPH
Milton
Arthur
Durham
Jarvis
OWEN SOUND
KITCHENER
GALT
Paris
WOODSTOCK
Ingersoll
BRANTFORD
ST. THOMAS
Walkerton
STRATFORD
LONDON
Kincardine
Goderich
SARNIA
CHATHAM
WINDSOR

APPENDIX No. 14

PROVINCIAL HIGHWAY TRAFFIC CENSUS—1925, 1926, 1927—SUMMER

Traffic Census

Average Daily Average—Summer

Highway No.	Name of Road	No. of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
2	Windsor to Quebec boundary	35	1925	1,265	420	151	17	45	1,898	2,414
		33	1926	1,911	513	185	25	36	2,670	3,861
		36	1927	1,887	833	221	25	31	2,997	4,271
3	Windsor to Niagara Falls	16	1925	558	277	61	2	27	925	1,429
		16	1926	784	278	109	7	36	1,214	1,656
		17	1927	932	362	112	6	26	1,438	2,469
3A	Chambers Corners to Fort Erie	2	1925	680	1,120	110	16	62	1,988	2,705
		2	1926	972	1,196	129	12	29	2,338	3,115
		3	1927	476	1,614	83	12	25	2,210	3,405
4	St. Thomas to Clinton	6	1925	753	212	65	3	23	1,056	1,665
		6	1926	1,096	179	71	4	25	1,375	1,881
		6	1927	889	95	69	3	21	1,077	1,766
4A	Walkerton to Durham	1	1925	244	15	26	3	38	326	651
		1	1926	486	18	24	2	46	576	653
		1	1927	592	21	35	4	38	690	1,236
5	Toronto to Highway No. 8	6	1925	2,017	161	213	11	15	2,417	3,803
		6	1926	3,021	178	237	19	13	3,468	5,514
		6	1927	2,739	238	273	12	9	3,271	5,091
6	Port Dover to Owen Sound	9	1925	563	52	54	4	45	718	1,136
		11	1926	908	58	74	11	41	1,092	1,726
		11	1927	869	74	99	10	34	1,086	1,816
7	Sarnia to Peterborough	20	1925	401	74	31	1	27	534	863
		19	1926	579	102	39	6	25	751	1,096
		20	1927	555	76	54	4	27	716	1,090
8	Niagara Falls to Goderich	11	1925	1,599	1,013	203	31	37	2,883	4,141
		10	1926	2,242	1,255	235	44	33	3,809	5,524
		11	1927	1,844	1,231	288	44	33	3,380	5,500
8A	Burlington Beach	2	1925	2,096	344	185	2	48	2,675	3,856
		2	1926	4,287	694	297	7	31	5,316	9,222
		2	1927	3,028	395	233	7	43	3,706	6,175

9	Arthur to Kincardine	4	1925	191	9	12	....	45	257	378
		4	1926	351	15	17	....	46	429	672
		4	1927	298	16	25	....	33	372	598
10	Port Credit to Chatsworth	5	1925	796	25	75	5	38	939	1,491
		5	1926	1,130	22	93	10	35	1,290	2,428
		5	1927	1,037	40	128	7	21	1,233	1,921
11	Toronto to Severn	7	1925	1,691	210	150	2	23	2,076	3,148
		7	1926	2,725	218	140	10	19	3,112	4,943
		7	1927	2,353	266	174	8	15	2,816	5,011
12	Whitby to Orillia	3	1925	443	28	28	....	24	523	914
		2	1926	564	27	24	3	26	644	1,035
		3	1927	653	39	39	41	3	758	1,393
14	Picton to Foxboro	3	1925	527	28	40	1	41	637	961
		3	1926	432	24	41	1	50	548	864
		3	1927	551	29	66	2	59	707	1,077
15	Kingston to Ottawa	6	1925	408	71	30	3	54	566	904
		5	1926	446	50	30	2	48	576	830
		6	1927	541	66	43	3	56	709	1,067
16	Johnstown to Ottawa	3	1925	618	134	43	10	33	838	1,087
		3	1926	763	169	58	9	30	1,029	1,551
		3	1927	909	194	53	7	22	1,185	1,695
17	Pembroke to Point Fortune	7	1925	252	98	22	9	67	448	615
		7	1926	329	108	34	7	55	533	790
		7	1927	327	70	37	4	49	487	682

AVERAGE DAILY AVERAGE—FALL

TRAFFIC CENSUS

DAILY AVERAGE

Highway No.	Name of Road	Number of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
2	Windsor to Quebec boundary	34	1925	761	55	143	23	47	1,029	1,348
		32	1926	1,070	115	190	28	44	1,447	1,971
		37	1927	1,436	264	222	24	36	1,982	3,266
3	Windsor to Niagara Falls	15	1925	368	23	56	6	37	490	630
		16	1926	504	54	80	5	36	679	939
		18	1927	736	152	105	6	31	1,030	1,798
3A	Chambers Corners to Fort Erie	2	1925	529	172	80	13	46	840	,146
		2	1926	539	200	97	15	46	897	1,172
		3	1927	527	326	92	11	22	978	1,686
4	St. Thomas to Clinton	6	1925	380	8	39	2	27	456	573
		6	1926	617	18	62	4	28	729	979
		6	1927	802	37	77	5	25	946	1,576
4A	Walkerton to Durham	1	1925	88	....	5	....	41	134	205
		1	1926	128	....	5	....	47	180	243
		1	1927	400	4	24	5	39	472	762
5	Toronto to Highway No. 8	6	1925	1,423	28	225	11	15	1,702	2,537
		6	1926	1,616	52	237	11	14	1,930	2,739
		6	1927	2,806	89	353	15	13	3,276	6,350
6	Port Dover to Owen Sound	10	1925	354	5	42	4	43	484	608
		11	1926	500	12	66	8	46	632	839
		11	1927	845	19	113	10	35	1,022	1,797
7	Sarnia to Peterborough	20	1925	223	9	26	....	31	289	413
		18	1926	339	19	42	4	29	433	609
		21	1927	474	28	51	4	21	578	1,056
8	Niagara Falls to Goderich	10	1925	882	177	171	28	31	1,289	1,866
		11	1926	1,093	245	247	36	40	1,661	2,259
		11	1927	1,571	527	291	42	31	2,462	4,178
8A	Burlington Beach	2	1925	739	48	140	....	36	963	1,654
		0	1926	Under construction						
		2	1927	1,129	129	192	5	24	1,479	2,939

9	Arthur to Kincardine	4	1925	89	1	6	....	56	152	184
		4	1926	154	4	9	....	32	199	281
		4	1927	244	5	24	....	24	297	487
10	Port Credit to Chatsworth	5	1925	564	4	76	5	47	696	1,124
		4	1926	610	5	101	5	25	746	1,059
		4	1927	835	7	149	7	25	1,023	1,492
11	Toronto to Severn	7	1925	770	6	139	4	27	946	1,160
		7	1926	831	16	128	9	20	1,004	1,349
		7	1927	1,511	34	198	7	21	1,771	3,209
12	Whitby to Orillia	3	1925	201	1	27	....	30	259	553
		2	1926	222	1	24	2	21	270	389
		3	1927	455	6	44	2	25	532	1,034
14	Picton to Foxboro	3	1925	258	2	24	3	43	330	431
		3	1926	301	4	37	1	49	392	560
		3	1927	477	4	60	3	49	593	842
15	Kingston to Ottawa	5	1925	225	5	23	3	49	305	455
		6	1926	239	7	24	1	44	315	492
		6	1927	370	13	35	2	38	458	801
16	Johnstown to Ottawa	3	1925	239	35	28	6	36	344	492
		2	1926	427	46	50	5	32	560	716
		3	1927	578	93	63	5	27	766	1,239

AVERAGE DAILY AVERAGE —SUMMER

Traffic Census

Highway No.	Name of Road	Number of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
21	Morpeth to Highway No. 7	3	1925	259	192	23	....	27	501	803
		3	1926	294	28	23	2	25	372	497
		3	1927	547	181	57	4	22	811	1,309
22	London to Highway No. 7, via Strathroy	1	1925	306	588	23	3	19	939	1,225
		1	1926	294	787	21	3	8	1,113	1,388
		1	1927	266	306	19	2	7	600	836
23	Mitchell to Teviotdale	2	1925	141	9	9	....	27	186	303
		2	1926	196	8	13	....	28	245	315
		2	1927	245	12	18	....	31	306	466
24	Simcoe to Guelph	1	1925	304	9	46	1	71	431	601
		1	1926	513	29	60	1	56	659	887
		3	1927	541	33	66	....	31	671	1,008
25	Palermo to Milton	1	1925	186	1	12	....	10	209	341
		1	1926	249	3	14	6	8	280	308
		1	1927	198	2	21	1	8	230	309
26	Barrie to Owen Sound	4	1925	255	18	17	....	16	306	451
		4	1926	389	18	20	....	23	450	650
		4	1927	363	17	26	....	25	431	541
27	Barrie-Midland-Penetang	1	1925	170	7	10	....	6	193	360
		1	1926	263	7	14	4	1	289	510
		1	1927	236	9	12	1	1	259	334
28	Port Hope to Peterborough	1	1925	467	51	33	....	19	570	910
		2	1926	584	75	43	4	35	741	1,134
		2	1927	539	126	57	4	25	751	1,383
29	Brockville to Arnprior	2	1925	95	8	22	....	40	165	229
		2	1926	126	11	22	....	39	198	253
		5	1927	228	15	20	2	47	312	466

AVERAGE DAILY AVERAGE—FALL

Traffic Census

Highway No.	Name of Road	Number of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
17	Pembroke to Point Fortune	7	1925	124	21	21	5	49	220	300
		7	1926	167	30	23	5	55	280	414
		7	1927	304	58	36	3	50	451	737
21	Morpeth to Highway No. 7	3	1925	147	27	17	....	23	214	295
		3	1926	233	7	17	2	21	280	375
		4	1927	357	16	27	4	35	439	665
22	London to Highway No. 7, via Strathroy	1	1925	171	80	32	2	13	298	391
		1	1926	145	106	22	2	8	283	388
		1	1927	233	98	31	2	7	371	588
23	Mitchell to Teviotdale	2	1925	122	....	9	....	56	187	230
		2	1926	135	3	9	....	44	191	214
		2	1927	235	5	19	....	30	289	458
24	Simcoe to Guelph, via Brantford	1	1925	146	1	26	....	70	243	359
		1	1926	284	3	64	....	45	396	498
		5	1927	500	11	73	2	26	612	1,020
25	Palermo to Milton	1	1925	198	....	25	....	46	269	467
		1	1926	187	1	22	4	22	236	304
		1	1927	197	2	17	1	11	228	374
26	Barrie to Owen Sound	4	1925	134	1	11	....	24	170	251
		4	1926	206	1	34	....	36	277	341
		4	1927	298	2	33	2	34	369	518
27	Barrie to Midland and Penetanguishene	1	1925	59	....	7	....	7	73	111
		1	1926	54	....	6	....	4	64	81
		1	1927	104	....	7	....	2	113	183
28	Port Hope to Peterborough	2	1925	204	2	25	....	36	267	356
		2	1926	269	8	38	3	45	363	573
		2	1927	425	12	67	2	25	531	1,038
29	Brockville to Arnprior	2	1925	75	1	18	....	43	137	188
		2	1926	74	1	14	....	39	128	173
		5	1927	634	16	71	6	140	867	1,213

AVERAGE DAILY AVERAGE—SUMMER

Traffic Census

Highway No.	Name of Road	Number of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
31	Morrisburg North	2	1925	463	49	55	6	133	706	862
		2	1926	414	49	44	5	86	598	791
		2	1927	453	57	44	7	103	664	906
	Taking the average for each of The 164 stations on 28 highways	164	1925	17,748	5,223	1,749	130	1,060	25,910	38,246
	" " " 27 "	161	1926	26,348	6,117	2,111	204	933	35,713	54,094
	" " " 28 "	175	1927	24,096	6,417	2,314	182	864	33,873	53,821
	Total Average Daily at each Station on each Road		1925	634	187	62	5	38	926	1,366
			1926	976	227	78	7	35	1,323	2,004
			1927	860	229	83	7	31	1,210	1,922

Some of the roads shown under Provincial Highways were County Roads in 1925 and 1926, but for the purpose of comparing them with 1927 traffic, we have entered them under Provincial Highways.

1925 count was taken August 5th to August 11th—5 days fine, 2 days showery.

1926 count was taken July 29th to August 4th—5 days fine, 2 days rain.

1927 count was taken July 13th to July 19th—3 days fine, 4 days rain.

AVERAGE DAILY AVERAGE—FALL

Traffic Census

Highway No.	Name of Road	Number of Stations	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
				Ontario	Foreign					
31	Morrisburg North	2	1925	241	11	32	7	105	396	516
		2	1926	205	9	21	3	61	299	383
		2	1927	480	39	47	6	104	676	857
	Total No. Stations 156 on 28 Highways		1925	9,713	723	1,474	122	1,114	13,146	18,833
	" " " 161 " 28 "		1926	11,149	967	1,669	153	933	14,871	20,340
	" " " 180 " 28 "		1927	18,963	1,996	2,521	181	950	24,611	42,163
	Average Daily at each Station on each Road		1925	347	26	53	4	40	470	673
			1926	398	35	60	5	33	531	727
			1927	677	71	90	7	34	879	1,506

Some of the roads shown under Provincial Highways were County Roads in 1925 and 1926, but for the purpose of comparing them with 1927 traffic we have entered them under Provincial Hgihways. In 1927, Highways 3A and 4A and 21 to 31 were assumed.

1925 count was taken from October 24th to October 30th—2 days fine, 5 days rain.

1926 count was taken from October 24th to October 30th—4 days fine, 3 days rain.

1927 count was taken from October 12th to October 18th—6 days fine, 1 day rain.

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Traffic Census—Summer

Highway No. 2

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Windsor at Howard Ave.	1925	972	640	102	4	9	1,727	2,654
		1926	1,795	173	529	24	131	2,652	3,425
		1927	2,165	1,373	328	11	16	3,893	5,140
2	Maidstone	1925	151	18	18	.....	13	200	410
		1926	186	41	30	.....	22	279	382
		1927	758	1,077	91	11	11	1,948	2,863
3	Woodslee	1925	199	16	122	.....	27	364	423
		1926	271	38	42	.....	31	382	430
		1927	933	1,148	127	12	27	2,247	3,771
4	W. of Chatham at Townline Road between Tilbury East and North	1925	482	187	43	10	21	743	1,360
		1926	712	389	57	13	11	1,182	1,748
		1927	967	1,379	114	13	16	2,489	4,098
5	E. of Chatham at Tupperville Road	1925	486	58	64	4	13	625	911
		1926	715	237	75	7	7	1,041	1,430
		1927	1,131	1,132	136	14	13	2,426	3,518
6	Wardsville	1925	317	59	28	1	51	456	558
		1926	Under construction						
		1927	840	1,070	143	9	29	2,091	3,073
7	Christina	1925	73	3	14	....	11	101	110
		1926	525	173	35	6	15	754	984
		1927	806	1,012	87	8	12	1,925	2,970
8	Lambeth	1925	664	129	51	1	13	858	1,166
		1926	1,590	300	125	7	11	2,033	2,652
		1927	1,481	1,142	164	14	11	2,812	4,135

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Traffic Census—Fall — **Highway No. 2**

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Windsor at Howard Ave.	1925	1,160	50	192	37	60	1,499	1,515
		1926	1,500	17	378	2	56	1,953	2,246
		1927	1,687	711	266	21	10	2,695	4,970
2	Maidstone	1925	127	11	23	.....	12	173	322
		1926	412	142	552	1	35	642	1,121
		1927	650	505	102	14	43	1,314	2,578
3	Woodslee	1925	Under construction						
		1926	579	148	85	11	33	856	1,429
		1927	675	471	120	13	40	1,319	2,399
4	West of Chatham at Townline Road between Tilbury East and Tilbury North	1925	383	108	54	9	50	604	938
		1926	571	279	101	11	49	1,011	1,698
		1927	786	571	152	14	36	1,559	2,705
5	East of Chatham at Tupperville Road	1925	418	38	41	3	19	519	677
		1926	663	218	72	6	19	978	1,423
		1927	954	442	182	15	9	1,602	2,373
6	Wardsville	1925	383	79	36	1	48	547	643
		1926	Under construction						
		1927	684	363	87	9	23	1,166	1,761
7	Christina	1925	320	35	34	1	16	406	445
		1926	446	110	55	7	9	627	841
		1927	702	345	85	9	10	1,151	1,869
8	Lambeth	1925	1,058	23	148	6	28	1,263	1,486
		1926	1,097	111	109	5	15	1,357	1,762
		1927	1,755	359	179	19	18	2,330	3,972

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Traffic Census—Summer

Highway No. 2

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
9	East of London at Wyton	1925	1,036	1,012	82	2	17	2,149	3,357
		1926	1,629	1,031	128	2	12	2,802	4,069
		1927	1,615	1,194	183	14	8	3,014	4,461
10	Beachville	1925	1,121	867	98	1	101	2,188	2,762
		1926	1,395	966	98	17	62	2,538	3,597
		1927	1,479	1,285	161	18	58	3,001	4,267
11	Eastwood Corners	1925	773	756	69	1	15	1,614	2,318
		1926	1,286	926	85	1	14	2,312	3,271
		1927	1,184	1,159	134	7	10	2,494	3,730
12	Concessions II and I, Brantford Twp	1925	924	459	81	1	10	1,475	2,175
		1926	1,717	863	135	3	12	2,730	4,089
		1927	1,692	1,123	142	6	6	2,969	4,651
13	Cainsville	1925	1,608	814	164	32	71	2,689	4,272
		1926	2,785	1,236	228	14	64	4,327	6,158
		1927	1,967	1,178	252	20	60	3,477	5,136
14	Binkley's Corners	1925	1,817	789	223	.....	38	2,867	3,973
		1926	2,543	931	251	8	29	3,762	5,273
		1927	2,433	1,234	306	16	22	4,011	5,663
15	Burlington	1925	3,202	1,111	506	65	15	4,899	6,818
		1926	4,376	1,133	541	85	5	6,140	8,691
		1927	4,135	1,441	750	76	8	6,410	9,185
16	Oakville	1925	2,889	996	482	61	20	4,448	5,598
		1926	4,058	1,009	509	87	13	5,676	8,658
		1927	3,818	1,413	655	78	17	5,981	8,239

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
9	East of London at Wyton	1925	685	152	109	1	22	969	1,245
		1926	970	235	134	8	11	1,358	1,953
		1927	1,297	368	191	11	10	1,877	3,051
9½	Thamesford Corner	1927	1,268	336	181	11	61	1,857	2,730
10	Beachville	1925	641	207	90	1	84	1,023	1,108
		1926	1,082	287	126	15	80	1,590	1,826
		1927	1,320	271	196	29	55	1,871	2,830
11	Eastwood	1925	460	64	57	1	21	603	758
		1926	584	218	81	4	15	902	1,243
		1927	938	288	150	5	11	1,392	2,343
12	Concessions I and II, Brantford Township	1925	605	99	92	.....	17	813	1,251
		1926	849	192	113	5	13	1,172	1,445
		1927	1,373	310	132	3	9	1,827	3,102
13	Cainsville	1925	1,078	164	164	4	104	1,514	2,004
		1926	1,230	309	295	14	86	1,934	2,651
		1927	1,714	353	266	15	62	2,410	4,264
14	Binkley's Corners	1925	1,301	87	244	.....	40	1,672	2,004
		1926	1,357	151	228	10	27	1,773	2,431
		1927	2,080	288	290	10	19	2,687	4,292
15	Burlington	1925	1,726	129	459	53	10	2,377	3,177
		1926	1,949	232	560	72	8	2,821	3,572
		1927	3,091	428	769	65	10	4,363	7,077
16	Oakville	1925	1,867	149	522	54	22	2,614	3,333
		1926	2,418	127	639	72	12	3,268	4,398
		1927	3,005	286	712	59	8	4,070	6,076

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Traffic Census—Summer

Highway No. 2

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
17	Long Branch	1925	6,958	985	926	207	57	9,133	10,089
		1926	6,349	1,559	780	271	57	9,016	13,352
		1927	7,166	1,639	976	260	53	10,094	13,085
18	Corner of Danforth Avenue and Markham Road	1925	3,313	174	553	61	132	4,233	7,872
		1926	6,494	270	498	51	79	7,392	12,115
		1927	4,963	282	493	100	52	5,890	8,527
19	Junction of Old Kingston Road	1925	3,551	867	485	21	63	4,987	7,814
		1926	6,765	630	642	59	39	8,135	12,056
		1927	7,520	923	704	54	27	9,228	14,759
20	Westhill	1925	2,994	444	314	21	25	3,798	6,255
		1926	4,518	533	434	51	17	5,553	8,786
		1927	5,322	811	569	50	13	6,765	9,401
21	Courtice Corners	1925	1,148	378	111	23	21	1,981	2,896
		1926	2,164	410	119	25	25	2,743	3,981
		1927	2,097	571	154	29	15	2,866	5,088
22	Welcome Corners, Welcome-Port Hope Highway	1925	865	358	45	6	48	1,322	1,732
		1926	1,556	382	70	7	54	2,069	3,289
		1927	1,250	549	88	7	53	1,947	3,003
23	East of Brighton	1925	644	315	47	1	53	1,060	1,320
		1926	Under construction						
		1927	847	466	59	2	17	1,391	1,959
24	West of Belleville, Lot 31, Con. 1, Sidney Township	1925	638	227	41	.....	30	936	1,336
		1926	1,241	260	77	6	29	1,613	2,040
		1927	1,452	416	97	10	27	2,002	2,667

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
17	Long Branch	1925	2,943	72	657	311	84	4,067	5,090
		1926	3,337	209	796	284	73	4,699	4,905
		1927	5,025	400	923	208	64	6,620	10,779
18	Corner of Danforth Avenue and Markham Road	1925	1,923	25	537	102	197	2,784	3,679
		1926	4,386	36	725	176	302	5,625	8,058
		1927	3,776	66	545	106	52	4,545	8,401
19	Junction of Old Kingston Road	1925	2,096	25	371	19	23	2,544	3,939
		1926	3,441	117	522	43	46	4,169	6,409
		1927	3,504	175	505	56	28	4,268	8,496
20	West Hill	1925	1,358	33	341	22	19	1,773	2,620
		1926	1,740	48	324	38	17	2,167	3,231
		1927	3,921	162	574	57	10	4,724	9,716
21	Courtice Corners	1925	706	19	69	21	10	825	982
		1926	889	45	133	26	19	1,112	1,580
		1927	1,548	149	195	30	19	1,941	3,186
22	Welcome Corners, Port Hope-Welcome traffic	1925	370	9	96	4	72	551	723
		1926	441	22	53	5	51	572	748
		1927	1,160	121	109	9	44	1,443	2,366
23	East of Brighton	1925	381	17	93	1	75	567	644
		1926	Under construction						
		1927	801	185	115	3	67	1,171	1,390
24	West of Belleville, Lot 31, Con. 1, Sidney Township, moved to C.N.R. crossing east of Trenton in Fall, 1927	1925	516	8	56	67	104	751	773
		1926	615	20	55	7	28	725	890
		1927	1,202	108	145	14	30	1,499	1,947

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
25	East of Belleville at Pointe Anne Road	1925	1,025	301	46	5	24	1,401	1,760
		1926	1,077	319	60	11	29	1,496	1,910
		1927	1,046	501	80	9	15	1,651	2,484
26	Marysville	1925	467	301	29	.....	47	844	1,033
		1926	644	332	32	5	35	1,048	1,243
		1927	695	433	60	5	24	1,217	1,702
27	Lots 20, 21, Con. 1, Ernesttown Township	1927	633	407	54	5	3	1,102	1,483
28	Cataraqui	1925	1,218	321	65	6	48	1,658	1,958
		1926	1,515	337	93	13	55	2,013	3,220
		1927	1,415	466	161	11	76	2,129	2,548
29	Barriefield	1925	761	363	62	10	33	1,229	1,458
		1926	984	363	71	7	36	1,460	1,749
		1927	918	457	106	6	17	1,504	1,839
30	Mallorytown, moved to Escott in Fall of 1927	1925	261	233	22	5	30	551	697
		1926	354	234	22	5	38	653	782
		1927	353	320	32	4	32	741	909
31	West of Brockville at Lynn Road	1925	706	281	41	11	29	1,068	1,412
		1926	866	332	54	5	33	1,290	1,779
		1927	765	406	85	5	39	1,300	1,595
32	East of Brockville, Lot 1, Con, 1, Elizabethtown Township	1925	534	230	71	11	34	880	1,110
		1926	844	301	79	12	30	1,266	1,773
		1927	1,028	395	88	10	25	1,546	1,974
33	Johnstown Corners	1925	353	222	23	6	17	621	824
		1926	457	244	32	4	13	750	1,116
		1927	510	323	44	4	13	894	1,298

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
25	East of Belleville at Pointe Anne Road	1925	497	17	37	6	23	580	775
		1926	593	19	67	12	20	711	1,000
		1927	835	139	89	6	21	1,090	1,503
26	Marysville	1925	281	15	27	2	49	374	442
		1926	339	37	36	4	26	442	636
		1927	549	115	47	5	15	731	1,112
27	Lots 20, 21, Ernesttown Township	1927	498	121	49	5	6	679	1,029
28	Cataraqui Corner	1925	651	9	41	7	53	761	1,219
		1926	353	8	48	8	59	476	656
		1927	1,220	127	150	11	63	1,571	2,323
29	Barriefield	1925	342	23	39	7	32	443	648
		1926	414	42	39	7	25	527	858
		1927	618	110	65	7	16	816	1,124
30	Escott (5 miles west of Mallorytown the former station)	1925	102	26	11	5	12	156	235
		1926	151	42	14	4	32	243	364
		1927	323	113	70	5	56	567	651
31	West of Brockville at Lynn Road	1925	182	7	27	3	24	243	345
		1926	322	45	29	5	24	425	707
		1927	683	112	69	9	32	905	1,443
32	East of Brockville, Lot 1, Con. 1, Elizabethtown Township	1925	289	25	43	10	32	399	670
		1926	455	44	62	12	19	592	908
		1927	660	218	84	11	23	996	1,325
33	Johnstown Corner	1925	107	43	13	3	18	184	223
		1926	Not taken						
		1927	344	103	34	4	14	499	776

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
34	Intersection of Morrisburg-Ottawa Highway at Morrisburg	1925	866	280	111	12	208	1,477	1,925
		1926	361	250	47	4	38	700	801
		1927	542	342	60	6	64	1,014	1,161
35	West limits of Cornwall	1925	796	262	140	5	164	1,367	1,516
		1926	1,086	429	122	5	118	1,760	2,574
		1927	1,589	477	221	5	170	2,462	3,011
36	Bainsville Sideroad	1925	151	244	26	.....	25	446	636
		1926	206	309	17	1	25	558	921
		1927	424	428	46	2	45	945	1,363

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Highway No. 2

Traffic Census—Fall

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
34	Morrisburg	1925	256	32	42	7	84	421	519
		1926	343	52	32	7	55	489	576
		1927	851	159	89	14	110	1,223	1,497
35	West limits of Cornwall	1925	569	38	87	4	119	817	1,191
		1926	586	64	105	4	110	869	1,189
		1927	1,326	188	239	6	194	1,953	2,448
36	Bainsville Sideroad moved to Lancaster in Fall 1927	1925	80	33	14	1	23	151	217
		1926	131	46	12	.....	38	227	324
		1927	323	178	46	1	44	592	916

WINDSOR-NIAGARA FALLS HIGHWAY

Highway No. 3

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
	South of Windsor at Howard Ave.	1925	972	640	102	4	9	1,727	2,654
		1926	1,795	173	529	24	131	2,652	3,425
		1927	2,165	1,373	328	11	16	3,893	5,140
1	Maidstone	1925	1,009	745	181	11	22	1,968	2,637
		1926	1,574	861	237	14	30	2,716	3,881
		1927	2,361	1,736	259	13	27	4,396	8,956
2	North of Cottam	1925	587	501	102	1	17	1,208	2,448
		1926	1,150	680	127	14	16	1,987	2,898
		1927	1,247	566	134	.....	12	1,959	4,749
3	Cedar Springs	1925	572	330	59	2	14	977	1,825
		1926	959	463	89	3	33	1,548	2,023
		1927	706	67	66	.....	29	868	1,236
4	Morpeth	1925	552	420	43	.....	23	1,038	1,534
		1926	722	423	57	8	50	1,260	1,616
		1927	736	110	136	6	36	1,024	1,509
5	Wallacetown	1925	428	416	17	.....	11	872	1,262
		1926	526	335	26	1	11	898	1,208
		1927	228	45	12	.....	11	296	624
6	Talbotville	1925	533	376	42	.....	33	984	1,360
		1926	659	250	36	1	10	955	1,316
		1927	430	44	35	.....	11	520	760
7	New Sarum	1925	726	97	40	.....	19	882	1,454
		1926	865	108	42	9	21	1,055	1,239
		1927	991	78	51	8	24	1,152	1,892

WINDSOR-NIAGARA FALLS HIGHWAY

Highway No. 3

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
	South of Windsor at Howard Ave.	1925	1,160	50	192	37	60	1,499	1,515
		1926	1,500	17	378	2	56	1,953	2,246
		1927	1,687	711	266	21	10	2,695	4,970
1	Maidstone	1925	766	99	125	11	20	1,021	1,630
		1926	1,268	321	179	8	54	1,830	3,035
		1927	1,882	831	266	14	71	3,064	5,972
2	North of Cottam	1925	240	19	45	10	17	331	45
		1926	683	122	97	8	34	944	1,551
		1927	850	197	140	1	23	1,211	2,309
3	Cedar Springs	1925	259	13	44	4	24	344	401
		1926	503	88	90	4	39	724	866
		1927	556	42	96	4	33	731	1,035
4	Morpeth	1925	255	10	30	1	26	322	567
		1926	376	51	40	6	38	511	614
		1927	666	91	69	6	60	892	1,031
5	Wallacetown	1925	145	13	14	.....	23	195	274
		1926	219	53	19	.....	12	303	406
		1927	235	40	17	.....	18	310	552
6	Talbotville	1925	Under construction						
		1926	348	11	31	.....	21	411	611
		1927	559	29	51	1	20	660	1,057
7	New Sarum	1925	418	4	40	.....	20	482	726
		1926	640	15	38	7	23	723	1,046
		1927	741	19	41	7	14	822	1,319

WINDSOR-NIAGARA FALLS HIGHWAY

Highway No. 3

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
8	Bayham Road	1925	139	69	8	.....	9	225	324
		1926	223	98	15	5	10	351	442
		1927	263	63	29	8	14	377	634
9	Courtland	1925	336	80	44	.....	65	525	695
		1926	477	96	61	8	77	719	851
		1927	505	64	82	7	50	708	1,018
10	Renton	1925	253	62	21	.....	30	366	427
		1926	342	110	144	9	30	635	739
		1927	456	88	65	6	19	634	1,071
11	Jarvis	1925	346	57	37	.....	41	481	555
		1926	652	94	63	8	67	884	1,106
		1927	841	97	102	7	74	1,121	1,515
12	Nelles Corners	1925	321	94	39	4	27	485	604
		1926	390	120	55	1	13	580	738
		1927	363	109	42	.....	16	530	745
13	Canboro Corners	1925	350	94	37	7	25	513	744
		1926	439	119	42	6	20	626	982
		1927	414	150	40	6	11	621	1,202
14	At Forks Road, Lot 30 and 40, Wainfleet Township	1925	351	137	49	3	19	559	996
		1926	683	200	59	5	18	965	1,758
		1927	687	247	81	4	20	1,039	1,973
15	Chambers Corners	1927	769	329	104	5	29	1,236	2,769
17	West of Niagara Falls at Montrose Road	1925	1,445	307	163	8	62	1,984	3,350
		1926	1,069	319	156	5	57	1,606	2,271
		1927	1,741	622	224	18	23	2,628	3,603

WINDSOR-NIAGARA FALLS HIGHWAY

Traffic Census—Fall — **Highway No. 3**

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
8	Bayham Road	1925	56	3	6	.....	8	73	105
		1926	128	15	9	8	9	169	263
		1927	290	30	29	6	16	371	686
9	Courtland	1925	249	5	34	.....	102	390	491
		1926	331	12	55	8	59	465	589
		1927	456	34	75	9	40	614	903
10	Renton	1925	191	4	15	.....	43	253	318
		1926	342	16	32	7	30	427	739
		1927	445	25	63	10	16	559	852
11	Jarvis	1925	386	2	63	5	83	539	684
		1926	503	7	87	8	107	712	845
		1927	732	12	126	6	63	939	1,221
12	Nelles Corners	1925	227	10	33	6	26	302	374
		1926	272	28	46	1	24	371	457
		1927	329	47	71	.....	29	476	603
13	Canboro Corners	1925	182	16	34	7	30	269	379
		1926	220	41	25	6	26	318	435
		1927	395	79	46	6	27	553	997
14	Junction of Forks Road, Lots 39, 40, Wainfleet Township	1925	264	32	41	4	23	364	464
		1926	303	43	46	4	17	413	531
		1927	639	144	78	5	24	890	1,750
15	Chambers Corners	1927	518	112	83	4	13	730	1,574
16	At Fonthill Road	1927	1,067	86	174	3	20	1,350	2,568
17	At Montrose Road	1925	723	64	120	6	54	967	1,072
		1926	427	19	108	6	34	594	796
		1927	1,199	210	202	8	53	1,672	2,959

CHAMBERS CORNERS-FORT ERIE HIGHWAY

Highway No. 3a

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Chambers Corners	1927	193	47	35	1	16	292	673
2	At Lot 1, Con. 1, Wainfleet Township	1925	854	348	132	1	110	1,445	2,354
		1926	907	384	151	2	45	1,489	2,052
		1927	772	367	117	2	46	1,304	2,240
3	At Ridgeway Road	1925	506	1,892	88	31	15	2,532	3,055
		1926	1,037	2,008	106	22	14	3,187	4,178
		1927	657	4,474	132	34	30	5,327	7,975

CHAMBERS CORNERS-FORT ERIE HIGHWAY

Highway No. 3a

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Chambers Corners	1927	293	82	48	.....	6	429	921
2	Lot 1, Con. 1, Wainfleet Township	1925	355	39	108	2	63	567	692
		1926	526	135	120	.....	77	858	1,147
		1927	562	97	111	.....	48	818	1,395
3	At Ridgeway Road	1925	703	305	53	23	29	1,113	1,599
		1926	551	264	74	30	16	935	1,196
		1927	727	799	115	34	12	1,687	2,740

ST. THOMAS-CLINTON HIGHWAY

Highway No. 4

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Talbotville	1925	928	144	65	.....	15	1,152	1,830
		1926	1,902	420	97	1	24	2,444	3,183
		1927	1,361	165	99	.....	11	1,636	3,009
2	Lambeth	1925	1,625	580	171	6	33	2,415	3,748
		1926	2,129	433	131	4	19	2,716	3,717
		1927	1,945	253	157	2	17	2,374	4,095
3	North of London, Cons. 4 and 5, London Township	1925	1,221	482	107	6	38	1,854	3,022
		1926	1,059	109	88	9	34	1,299	1,809
		1927	991	70	91	10	32	1,194	1,542
4a	Elginfield (London traffic)	1925	243	25	12	3	9	292	483
		1926	640	57	35	11	11	754	1,119
		1927	359	30	20	7	6	422	713
4b	Elginfield (Clinton traffic)	1925	217	23	15	1	16	272	409
		1926	402	32	25	2	17	478	608
		1927	278	16	15	1	14	324	580
5	Brucefield	1925	281	15	23	.....	29	348	500
		1926	443	24	48	.....	41	556	852
		1927	399	38	31	.....	44	512	656

ST. THOMAS-CLINTON HIGHWAY

Highway No. 4

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Talbotville	1925	505	5	56	.....	31	597	684
		1926	878	21	72	1	27	999	1,369
		1927	808	32	76	.....	12	928	1,559
2	Lambeth	1925	764	20	87	3	21	902	1,199
		1926	1,397	63	137	5	19	1,621	2,195
		1927	1,338	124	134	4	25	1,625	2,903
3	North of London, Cons. 4 and 5, London Township	1925	581	12	57	5	29	684	867
		1926	712	13	97	8	29	859	1,112
		1927	1,285	40	148	15	40	1,528	2,514
4a	Elginfield (London traffic)	1925	142	2	8	3	14	169	207
		1926	273	3	18	8	16	318	474
		1927	664	9	45	9	8	735	1,259
4b	Elginfield (Clinton traffic)	1925	133	2	9	2	21	167	203
		1926	207	2	15	2	20	246	345
		1927	355	2	27	2	14	400	605
5	Brucefield	1925	156	1	13	.....	46	216	275
		1926	237	7	33	.....	53	330	380
		1927	361	13	34	.....	52	460	613

WALKERTON-DURHAM HIGHWAY

Highway No. 4a

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Chesley Road	1925	244	15	26	3	38	326	651
		1926	486	18	24	2	46	576	653
		1927	592	21	35	4	38	690	1,236

WALKERTON-DURHAM HIGHWAY

Traffic Census—Fall

Highway No. 4a

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Chesley Road	1925	88	.....	5	.....	41	134	205
		1926	128	.....	5	.....	47	180	243
		1927	400	4	24	5	39	472	762

TORONTO TO HIGHWAY No. 8

Traffic Census—Summer

Highway No. 5

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Islington	1925	3,592	196	412	25	15	4,240	6,253
		1926	5,558	189	461	33	12	6,253	9,523
		1927	4,285	273	493	25	8	5,084	6,871
2	Cooksville	1925	4,062	247	520	25	39	4,893	7,914
		1926	5,791	270	554	47	36	6,698	10,856
		1927	5,936	380	606	24	19	6,965	10,892
3	Trafalgar	1925	1,705	192	143	5	12	2,057	3,411
		1926	2,353	219	141	12	11	2,736	4,538
		1927	2,318	271	188	7	7	2,791	4,999
4	Brant Street	1925	1,095	158	59	7	4	1,323	2,184
		1926	1,900	198	101	10	6	2,215	3,598
		1927	1,651	270	138	7	5	2,071	3,390
5	Clappison's Corners, traffic east of	1925	1,371	163	116	7	11	1,668	2,631
		1926	2,085	174	123	11	6	2,399	3,893
		1927	1,897	222	171	7	8	2,305	3,771
6	Clappison's Corners, traffic west of	1925	274	10	26	.....	10	320	428
		1926	442	19	40	.....	7	508	678
		1927	346	13	44	.....	8	411	621

TORONTO TO HIGHWAY No. 8

Highway No. 5

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Islington	1925	2,067	42	381	15	13	2,518	3,653
		1926	2,226	77	383	17	7	2,710	4,275
		1927	5,020	121	839	46	30	6,056	11,455
2	Cooksville	1925	3,232	39	621	32	36	3,960	6,506
		1926	3,251	82	595	26	28	3,982	5,466
		1927	4,791	132	653	19	21	5,616	11,556
3	Trafalgar	1925	1,091	27	106	6	8	1,238	1,738
		1926	1,413	62	174	9	17	1,675	2,301
		1927	2,251	99	207	9	5	2,571	5,065
4	Brant Street	1925	848	33	74	6	8	969	1,343
		1926	1,172	52	97	7	16	1,344	1,883
		1927	1,771	102	125	7	7	2,012	3,758
5	Clappison's Corners,, traffic east of	1925	1,043	25	115	6	13	1,202	1,609
		1926	1,357	36	136	9	9	1,547	2,143
		1927	2,492	71	231	10	6	2,810	5,140
6	Clappison's Corners, traffic west of	1925	254	3	53	.....	14	324	374
		1926	275	2	34	.....	10	321	367
		1927	513	8	65	.....	6	592	1,126

PORT DOVER-OWEN SOUND HIGHWAY, Via Hamilton

Highway No. 6

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Jarvis, traffic south of	1925	327	62	38	.....	44	471	657
		1926	211	13	14	6	34	278	361
		1927	280	36	45	3	32	396	670
2	Jarvis, traffic north of	1925	377	26	38	5	33	479	634
		1926	505	23	43	12	42	625	834
		1927	742	62	106	10	55	975	1,347
3	At Oshweken Road	1926	506	20	59	14	25	624	869
		1927	641	66	130	13	17	867	1,641
4	Concessions 6 and 7, Glanford Township	1925	Closed to traffic						
		1926	967	45	113	20	28	1,173	1,756
		1927	1,041	77	149	17	23	1,307	2,502
5	Clappison's Corners	1925	1,470	192	185	15	39	1,901	3,065
		1926	2,503	204	195	24	19	2,945	4,682
		1927	2,476	266	242	19	19	3,022	4,907
6	Freelton	1925	503	38	59	8	27	635	1,075
		1926	1,140	68	95	14	28	1,345	2,289
		1927	920	69	121	15	17	1,142	2,150
7	South of Guelph, lots 6 and 7, Puslinch	1925	584	73	66	8	14	745	1,388
		1926	1,231	125	119	11	42	1,528	2,517
		1927	1,239	108	150	13	32	1,542	2,670
8	North of Guelph at Elora Road	1925	797	31	50	4	35	917	1,457
		1926	1,044	62	106	7	25	1,244	1,831
		1927	915	47	65	6	18	1,051	1,720

PORT DOVER-OWEN SOUND HIGHWAY, Via Hamilton

Highway No. 6

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Jarvis, traffic south of	1925	68	.....	9	1	31	109	137
		1926	68	.....	13	.....	43	124	163
		1927	168	4	20	4	24	220	337
2	Jarvis, traffic north of	1925	354	1	42	10	74	481	600
		1926	442	3	65	8	79	597	752
		1927	639	10	100	8	44	801	1,039
3	At Oshweken Road	1926	336	5	62	12	24	439	536
		1927	605	11	148	12	17	793	1,235
4	Concessions 6 and 7, Glanford Township	1925	Closed to	traffic					
		1926	555	9	92	18	35	709	1,045
		1927	829	13	152	19	30	1,043	1,819
5	Clappison's Corners	1925	1,043	25	115	6	13	1,202	1,609
		1926	1,357	36	136	9	9	1,547	2,143
		1927	2,907	79	310	21	20	3,337	6,282
6	Freelton	1925	488	10	87	10	33	628	892
		1926	583	25	116	12	30	766	959
		1927	825	29	139	14	17	1,024	2,076
7	South of Guelph, Lots 6 and 7, Puslinch Township	1925	696	6	100	8	54	864	1,161
		1926	769	29	138	12	66	1,014	1,287
		1927	1,086	26	181	12	39	1,344	2,588
8	North of Guelph at Elora Road	1925	437	5	39	4	32	517	718
		1926	619	9	57	4	33	722	982
		1927	821	17	84	5	20	947	1,814
9	South of Arthur	1925	178	2	10	.....	115	305	351
		1926	348	3	23	4	125	503	640
		1927	533	13	46	4	98	694	1,140

PORT DOVER-OWEN SOUND HIGHWAY

Highway No. 6

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
9	South of Arthur	1925	401	18	21	.....	130	570	871
		1926	1,126	34	32	4	151	1,347	2,683
		1927	517	32	31	4	99	683	1,033
10	South of Durham	1925	251	15	16	.....	32	314	453
		1926	370	24	21	5	24	444	529
		1927	354	25	27	4	24	434	663
11	Chatsworth Corners (Guelph traffic)	1925	355	14	15	.....	46	430	648
		1926	381	20	16	4	33	454	638
		1927	440	24	22	4	33	523	671

PORT DOVER-OWEN SOUND HIGHWAY

Highway No. 6

Traffic Census—Fall

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
10	South of Durham	1925	110	1	6	.....	38	155	163
		1926	188	4	9	4	27	232	317
		1927	350	8	21	4	25	408	691
11	Chatsworth Corners (Guelph traffic)	1925	169	.....	9	.....	41	219	323
		1926	234	2	20	4	34	294	405
		1927	529	4	39	4	45	621	745

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Wyoming Road	1925	228	518	20	1	28	795	1,125
		1926	659	874	28	2	34	1,597	2,028
		1927	476	418	24	4	12	934	1,609
2	West of Wisbeach	1925	57	95	5	2	3	162	252
		1926	112	136	8	3	1	260	383
		1927	112	97	11	1	2	223	394
3	West of Parkhill at Kerwood Road	1925	202	118	16	1	22	359	565
		1926	269	153	19	2	28	471	549
		1927	411	124	34	2	37	608	726
4	Parkhill	1927	601	174	65	6	119	965	1,385
5a	Elginfield (to Sarnia traffic)	1925	91	72	5	.....	6	174	245
		1926	173	83	7	.....	5	268	429
		1927	125	35	5	.....	4	169	338
5b	Elginfield (to Stratford traffic)	1925	128	75	8	2	12	225	313
		1926	325	82	13	10	13	443	687
		1927	208	61	9	6	11	295	550
6	West of St. Mary's	1925	415	69	38	1	48	571	898
		1926	589	86	40	9	44	768	1,087
		1927	569	59	60	6	45	739	988
7	South of Stratford	1925	915	130	56	.....	73	1,174	2,034
		1926	965	94	56	8	67	1,190	1,624
		1927	900	77	78	7	46	1,108	1,667

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Wyoming Road	1925	158	80	17	.....	36	291	387
		1926	419	166	19	2	30	636	1,021
		1927	565	180	35	4	40	824	1,681
2	West of Wisbeach	1925	37	24	5	1	4	71	96
		1926	70	51	10	3	4	138	198
		1927	222	121	21	2	4	370	419
3	West of Parkhill at Kerwood Road	1925	137	18	13	.....	42	210	269
		1926	173	42	19	2	51	287	537
		1927	320	80	34	4	45	483	647
4	Parkhill	1927	541	55	39	5	80	720	894
5a	Elginfield (to Sarnia traffic)	1925	66	10	2	.....	4	82	106
		1926	130	8	5	.....	5	148	235
		1927	181	11	11	.....	3	206	363
5b	Elginfield (to Stratford traffic)	1925	96	9	4	2	15	126	151
		1926	166	8	9	7	12	202	311
		1927	367	14	23	8	11	423	781
6	West of St. Mary's	1925	338	4	29	4	76	451	692
		1926	417	6	37	9	60	529	702
		1927	624	28	58	14	39	763	1,258
7	South of Stratford	1925	373	10	42	.....	66	491	552
		1926	544	8	54	7	51	664	954
		1927	774	29	70	6	51	930	1,613
8	Shakespeare	1925	428	1	30	.....	41	500	647
		1926	612	6	59	6	38	721	1,239
		1927	1,188	37	120	6	36	1,387	2,683

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
8	Shakespeare	1925	659	81	37	1	24	802	1,545
		1926	943	73	62	8	23	1,109	1,634
		1927	1,266	88	100	6	43	1,503	2,471
9	West of Baden	1925	250	13	27	.....	36	326	635
		1926	1,000	105	71	7	34	1,217	1,824
		1927	878	79	99	6	12	1,074	2,014
10	East of Kitchener at Breslau Rd	1925	618	64	46	.....	35	763	1,073
		1926	758	25	60	10	23	876	1,273
		1927	539	15	72	9	17	652	962
11	West of Guelph, Concessions 4 and 5, Guelph Twp.	1925	391	58	39	.....	6	494	717
		1926	448	33	42	10	24	557	817
		1927	607	30	68	9	14	728	946
12	East of Guelph, Lot 11, Concession 2, Guelph	1925	671	25	63	.....	41	800	1,385
		1926	888	32	64	10	29	1,023	1,358
		1927	840	19	64	7	16	946	1,248
13	At Brampton-Owen Sound Highway	1925	255	11	15	.....	8	289	563
		1926	311	2	27	4	22	366	553
		1927	Closed to traffic						
14	Langstaff, Yonge Street Cor	1925	400	10	55	1	18	484	859
		1926	781	10	77	2	32	902	1,792
		1927	600	14	157	.....	13	784	1,237
15	South of Brooklin at Highway No. 12	1925	231	11	21	.....	19	282	460
		1926	Under construction						
		1927	239	4	26	.....	23	292	485

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Fall

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
9	West of Baden	1925	311	4	29	.....	34	378	529
		1926	632	22	57	5	20	736	1,159
		1927	725	29	98	8	16	876	1,650
10	East of Kitchener at Breslau Road	1925	257	1	22	.....	32	312	396
		1926	Not taken						
		1927	Not taken						
11	West of Guelph, Concessions 4 and 5, Guelph Twp.	1925	199	3	27	.....	21	250	367
		1926	324	10	38	13	13	398	515
		1927	292	3	50	8	11	364	582
12	East of Guelph, Lot 11, Concession 2, Guelph Twp.	1925	403	6	60	.....	44	513	605
		1926	500	9	68	6	18	601	823
		1927	526	5	62	5	20	618	1,168
13	At Brampton-Owen Sound Highway	1925	231	1	42	.....	33	307	345
		1926	301	.....	74	4	22	401	547
		1927	660	3	92	8	12	775	1,898
14	Langstaff, Yonge Street Corner	1925	268	1	62	.....	24	355	497
		1926	282	2	105	.....	16	405	506
		1927	1,171	6	148	.....	22	1,347	2,706
15	South of Brooklin at Highway No. 12	1925	123	.....	22	.....	31	176	204
		1926	Under construction						
		1927	277	2	53	.....	20	352	610
16	West of Lindsay, Lot 12, 13, Brock Township	1925	160	.....	10	.....	22	192	228
		1926	238	.....	19	3	29	289	376
		1927	324	5	18	3	43	393	710

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
16	West of Lindsay, Lots 12, 13, Brock Township....	1925	332	25	7	.....	18	382	647
		1926	605	19	14	3	15	656	1,208
		1927	532	34	21	2	21	610	1,134
17	West limits of Lindsay.....	1925	572	28	38	.....	43	681	1,016
		1926	756	27	39	4	28	854	1,159
		1927	740	61	57	4	44	906	1,282
18	South of Lindsay at Newcastle Road.....	1925	541	14	37	.....	60	652	986
		1926	448	11	32	.....	32	523	704
		1927	379	24	45	.....	25	473	727
19	At the intersection of Chemong Rd. (traffic west of Chemong Rd).....	1925	200	10	19	.....	5	234	411
		1926	228	27	24	.....	3	282	430
		1927	271	34	22	.....	8	335	409
20	At intersection of Chemong Rd. (traffic south of Chemong Rd.).....	1925	870	53	76	15	26	1,040	1,514
		1926	748	65	62	13	18	906	1,281
		1927	809	72	56	3	27	967	1,228

SARNIA-PETERBOROUGH HIGHWAY, Via Stratford and Brampton

Highway No. 7

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
17	West limits of Lindsay	1925	275	2	23	.....	27	327	475
		1926	407	2	33	3	32	477	678
		1927	669	6	68	4	33	780	1,147
18	South limits of Lindsay	1925	230	1	24	.....	33	288	421
		1926	407	.....	29	.....	36	472	599
		1927	291	.....	28	.....	20	339	559
19	At the intersection of Chemong Rd. (traffic west of Chemong Rd.)	1925	100	.....	17	.....	5	130	204
		1926	141	4	36	1	24	206	262
		1927	205	7	25	.....	1	238	458
20	At the intersection of Chemong Rd. (traffic south of Chemong Rd.)	1925	251	.....	47	.....	23	321	500
		1926	337	8	80	2	62	489	657
		1927	578	19	64	.....	17	678	1,230

NIAGARA FALLS-GODERICH HIGHWAY, Via Hamilton

Highway No. 8

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South End Corner	1925	2,125	2,065	400	48	56	4,694	6,050
		1926	2,287	2,088	293	69	39	4,776	7,423
		1927	2,505	2,567	299	67	43	5,481	8,399
2a	St. David's (Niagara Falls traffic	1925	1,593	1,670	173	20	17	3,473	5,070
		1926	2,079	2,097	210	36	16	4,438	8,003
		1927	1,737	2,095	182	43	5	4,062	7,018
2b	St. David's (St. Catharines traffic)	1925	1,803	1,897	177	23	37	3,937	5,618
		1926	2,228	2,291	236	40	28	4,823	8,055
		1927	1,919	2,255	169	87	14	4,444	7,856
3	Jordan Corners	1925	1,803	1,481	266	32	19	3,601	5,448
		1926	2,528	1,603	241	44	4	4,420	7,044
		1927	2,244	2,071	318	42	15	4,690	7,385
4	At. Grimsby Park Road	1925	2,365	1,800	303	31	42	4,541	7,037
		1926	4,209	2,197	361	46	28	6,841	11,593
		1927	2,439	1,893	381	33	35	4,781	8,301
5	At Stoney Creek Road	1925	2,765	1,806	324	34	12	4,941	7,157
		1926	3,877	1,876	410	55	13	6,231	9,735
		1927	3,549	2,218	422	43	16	6,248	10,896
6	Binkley's Corner	1925	2,201	220	327	133	59	2,940	3,647
		1926	2,391	207	356	139	47	3,140	3,956
		1927	2,681	242	378	155	30	3,486	4,039
7	Bullock's Corner	1925	1,335	116	176	14	47	1,688	2,521
		1926	1,401	136	167	15	46	1,765	2,687
		1927	1,338	105	233	14	26	1,716	2,921
8	East of Sebringville at St. Mary's Rd	1925	872	47	46	.....	42	1,007	1,709
		1926	1,054	43	53	1	53	1,204	1,516
		1927	1,127	41	69	.....	41	1,278	2,014
9	South of Seaforth at Tuckersmith-Hibbert Town-line, moved southeast to Dublin in 1927	1925	304	15	24	2	56	401	572
		1926	365	9	23	1	53	451	751
		1927	419	26	36	.....	103	584	935
10	South of Goderich at Lot 9, Concession A, Township of Goderich	1925	421	21	17	1	24	484	722
		1926	Under construction						
		1927	325	31	22	.....	29	407	733

NIAGARA FALLS-GODERICH HIGHWAY

Highway No. 8

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South End Corner	1925	989	409	302	42	49	1,791	2,438
		1926	1,340	579	334	57	50	2,360	3,287
		1927	2,449	1,114	535	88	40	4,226	6,219
2a	St. Davids (Niagara Falls traffic)	1925	786	297	144	15	11	1,253	2,085
		1926	1,043	319	248	34	29	1,673	2,039
		1927	1,432	868	257	60	9	2,626	4,604
2b	St. David's (St. Catharines traffic)	1925	833	322	157	15	25	1,352	2,348
		1926	1,076	365	238	36	25	1,740	2,533
		1927	1,475	946	236	50	8	2,715	4,872
3	Jordan Corners	1925	895	203	188	32	9	1,327	1,950
		1926	1,197	407	400	34	35	2,073	2,897
		1927	1,752	787	466	40	29	3,074	5,344
4	At Grimsby Park Road	1925	928	270	241	24	13	1,476	2,079
		1926	1,330	573	384	31	26	2,344	3,094
		1927	1,829	759	402	30	30	3,050	5,505
5	Jct. of Stoney Creek Road	1925	1,314	217	259	26	12	1,828	2,753
		1926	1,819	366	465	46	23	2,719	3,586
		1927	2,358	1,196	522	40	17	4,132	7,895
6	Binkley's Corner	1925	1,529	26	212	106	37	1,910	2,547
		1926	1,744	35	322	136	48	2,285	3,166
		1927	2,402	55	318	140	33	2,948	4,212
7	Bullock's Corner	1925	842	20	159	13	54	1,088	1,279
		1926	1,173	40	209	14	46	1,482	2,019
		1927	1,703	44	295	14	36	2,092	3,424
8	East of Sebringville at St. Mary's Road	1925	549	1	35	2	54	641	791
		1926	769	6	51	.....	56	882	1,202
		1927	1,004	9	76	.....	41	1,130	1,846
9	Dublin	1925	158	.....	16	2	42	218	385
		1926	295	1	54	1	65	416	534
		1927	443	8	53	2	64	570	900
10	South of Goderich at Lot 9, Concession A, Goderich Township	1925	Under construction						
		1926	239	2	14	.....	34	289	488
		1927	432	8	37	2	37	516	1,139

BURLINGTON BEACH HIGHWAY

Traffic Census—Summer

Highway No. 8A

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At intersection of Beach Road	1925	2,654	537	208	2	51	3,452	5,008
		1926	5,040	1,042	335	11	26	6,454	10,962
		1927	4,319	701	291	12	35	5,358	10,193
2	Beach Road at intersection of Burlington Beach Highway	1925	1,539	150	162	1	45	1,897	2,105
		1926	3,534	347	258	3	36	4,178	7,483
		1927	1,737	88	175	2	51	2,053	2,156

BURLINGTON BEACH HIGHWAY

Traffic Census—Fall

Highway No. 8A

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At intersection of Beach Road	1925	853	74	159	1	28	1,115	2,268
		1926	Under Construction						
		1927	856	32	170	1	29	1,088	1,603
2	Beach Road at intersection of Burlington Beach Highway	1925	624	22	121	.....	43	810	1,039
		1926	Under construction						
		1927	1,402	225	213	10	20	1,870	4,264

ARTHUR-KINCARDINE HIGHWAY

Highway No. 9

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Arthur	1925	215	3	8	.....	72	298	424
		1926	436	7	13	.....	99	555	981
		1927	190	5	10	.....	41	246	370
2	Teviotdale	1925	80	1	5	.....	7	93	178
		1926	366	19	21	.....	16	422	669
		1927	414	29	34	.....	20	497	795
3	West limits of Clifford Village	1925	322	21	29	1	82	455	612
		1926	397	20	23	.....	55	495	666
		1927	394	20	37	.....	51	502	906
4	Kinloss	1925	146	13	7	.....	17	183	298
		1926	207	13	13	.....	12	245	372
		1927	195	11	20	.....	18	244	320

ARTHUR-KINCARDINE HIGHWAY

Highway No. 9

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Arthur	1925	49	.....	2	1	31	83	99
		1926	143	6	.....	.....	63	212	289
		1927	209	3	18	.....	33	263	445
2	Teviotdale	1925	93	1	7	.....	106	207	256
		1926	162	6	10	.....	9	187	271
		1927	306	7	25	.....	17	355	635
3	North limits of Clifford Village	1925	175	1	13	.....	73	262	305
		1926	200	2	19	.....	46	287	408
		1927	295	5	36	.....	36	372	610
4	Kinloss	1925	39	.....	2	.....	13	54	76
		1926	90	.....	8	.....	11	109	154
		1927	166	3	15	.....	13	197	257

PORT CREDIT-CHATSWORTH HIGHWAY

Highway No. 10

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Cooksville Corner	1925	2,187	65	255	13	27	2,547	4,483
		1926	3,181	66	298	35	35	3,615	8,057
		1927	3,023	126	356	28	18	3,551	5,732
2	Junction of Brampton-Guelph Highway	1925	555	25	55	.....	18	653	963
		1926	886	4	70	2	26	988	1,705
		1927	887	33	118	8	11	1,057	1,754
3	North of Orangeville	1925	471	13	27	.....	46	557	791
		1926	624	12	37	.....	34	707	963
		1927	732	26	47	.....	39	844	1,188
4	North of Shelburne	1927	313	9	110	.....	25	457	587
5	Flesherton	1925	628	19	30	11	72	760	933
		1926	786	19	53	13	65	936	1,128
		1927	Under construction						
6	Chatsworth Cor. (Orangeville traffic)	1925	141	4	6	.....	28	179	287
		1926	173	7	8	.....	13	201	287
		1927	227	8	10	.....	11	256	346

PORT CREDIT-CHATSWORTH HIGHWAY

Highway No. 10

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Cooksville Corner	1925	1,847	17	267	14	28	2,173	3,949
		1926	1,565	18	296	17	24	1,920	2,777
		1927	1,653	24	362	20	15	2,074	2,670
2	At Brampton-Guelph Highway	1925	385	.....	69	.....	33	487	573
		1926	443	.....	74	4	20	541	744
		1927	875	3	153	6	16	1,053	1,684
3	North of Orangeville	1925	248	1	16	.....	62	327	392
		1926	318	.....	23	.....	36	377	472
		1927	477	2	56	1	28	564	942
4	North of Shelburne	1927	Under construction						
5	Flesherton	1925	281	.....	27	10	78	396	520
		1926	Under construction						
		1927	Under construction						
6	Chatsworth Corners (Orangeville traffic)	1925	57	.....	2	.....	35	94	155
		1926	115	1	11	.....	19	146	243
		1927	333	.....	24	.....	42	399	673

TORONTO-SEVERN HIGHWAY

Highway No. 11

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
0	Lansing Corner	1925	3,754	530	583	2	56	4,925	6,613
		1926	5,366	282	417	21	47	6,133	8,601
		1927	5,070	409	527	10	27	6,043	10,365
1	Langstaff Corner	1925	3,094	245	270	2	19	3,630	6,017
		1926	4,796	302	298	13	26	5,435	8,930
		1927	4,475	323	409	11	15	5,233	9,674
2	Top of South Holland Landing Hill	1925	1,296	166	49	.....	8	1,519	2,702
		1926	2,662	249	76	10	7	3,004	5,537
		1927	1,880	271	78	6	6	2,241	4,207
3	South of Barrie	1925	1,090	135	36	1	16	1,278	2,139
		1926	2,059	200	60	7	14	2,340	4,180
		1927	1,607	211	66	6	15	1,905	3,780
4	Crown Hill	1925	652	129	20	.....	14	815	1,232
		1926	1,280	132	23	6	7	1,448	2,416
		1927	984	207	32	7	6	1,236	2,385
5	South limits of Orillia	1925	1,132	136	57	8	38	1,371	1,802
		1926	1,783	192	62	14	30	2,081	3,183
		1927	1,559	210	61	14	28	1,872	2,772
6	South of Washago at Sparrow Lake Road	1925	817	132	32	.....	10	991	1,530
		1926	1,127	164	47	2	7	1,347	1,738
		1927	894	229	45	.....	10	1,178	1,895

TORONTO-SEVERN HIGHWAY

Highway No. 11

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
0	Lansing Corner	1925	2,113	13	561	2	54	2,743	3,281
		1926	2,121	27	309	23	52	2,532	3,203
		1927	3,731	62	778	10	48	4,629	7,155
1	Langstaff Corner	1925	1,521	11	260	5	38	1,835	2,155
		1926	1,591	27	414	8	16	2,056	2,776
		1927	3,587	56	374	8	30	4,055	8,283
2	Top of South Holland Landing Hill	1925	545	9	56	4	17	631	746
		1926	615	21	63	8	12	719	1,097
		1927	868	39	62	7	7	983	1,991
3	South of Barrie	1925	337	3	25	3	24	392	562
		1926	407	10	35	7	11	470	693
		1927	784	20	51	6	14	875	1,806
4	Crown Hill	1925	193	.....	11	6	14	224	302
		1926	271	2	15	6	11	305	461
		1927	479	16	26	6	8	535	1,052
5	South limits of Orillia	1925	491	7	46	6	32	582	766
		1926	544	7	48	13	34	646	841
		1927	752	25	61	15	34	887	1,424
6	South of Washago at Sparrow Lake Road	1925	190	2	12	.....	10	214	307
		1926	268	18	13	.....	5	304	373
		1927	376	17	34	.....	6	433	751

WHITBY-ORILLIA HIGHWAY

Traffic Census—Summer

Highway No. 12

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Brooklin	1925	604	41	48	.....	25	718	1,308
		1926	Under construction						
		1927	1,078	71	74	6	24	1,253	2,326
2	Manchester Corner	1925	545	30	30	1	32	638	1,289
		1926	813	41	37	5	43	939	1,630
		1927	631	36	33	1	28	729	1,331
3	At Junction of Highway No. 7—traffic north of	1925	181	12	5	.....	14	212	344
		1926	314	13	12	.....	10	349	440
		1927	250	11	17	1	14	293	521

WHITBY-ORILLIA HIGHWAY

Traffic Census—Fall

Highway No. 12

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Brooklin	1925	287	1	48	.....	42	378	418
		1926	Under construction						
		1927	844	11	94	6	21	976	1,981
2	Manchester Corner	1925	213	1	25	1	31	271	339
		1926	321	1	37	3	24	386	597
		1927	306	2	25	.....	18	351	750
3	At junction of Highway No. 7—traffic north of	1925	103	.....	8	.....	18	129	901
		1926	122	1	11	1	19	154	181
		1927	216	4	12	.....	36	268	372

PICTON-FOXBORO HIGHWAY

Highway No. 14

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Bloomfield	1925	318	9	18	2	34	381	815
		1926	337	20	28	2	74	461	660
		1927	531	30	62	3	120	746	1,047
2	Rossmore	1925	797	49	72	1	50	969	1,264
		1926	507	31	57	1	28	624	1,053
		1927	609	27	93	.....	27	756	1,233
3	Foxboro	1925	466	26	31	.....	40	563	803
		1926	452	22	39	1	47	561	880
		1927	514	30	43	2	31	620	953

PICTON-FOXBORO HIGHWAY

Highway No. 14

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Bloomfield	1925	228	1	15	5	61	310	353
		1926	315	4	39	2	77	437	616
		1927	495	4	47	4	88	638	776
2	Rossmore	1925	278	1	30	3	38	350	480
		1926	305	7	44	.....	33	389	532
		1927	498	4	98	3	24	627	990
3	Foxboro	1925	269	3	28	.....	29	329	461
		1926	283	1	27	2	37	350	532
		1927	437	4	37	2	34	514	760

KINGSTON-OTTAWA HIGHWAY

Highway No. 15

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Barriefield	1925	573	102	46	1	65	787	972
		1926	607	86	61	2	49	805	1,087
		1927	723	95	71	3	43	935	1,129
2	Seeley's Bay	1925	288	69	15	3	26	401	614
		1926	282	54	16	2	14	368	594
		1927	257	93	25	2	13	390	606
3	Lombardy	1925	393	93	19	3	119	627	836
		1926	438	55	21	2	119	635	766
		1927	427	59	31	2	162	681	852
4	Lot 7, Concession III, Drummond Township	1925	291	43	10	2	19	365	578
		1926	255	23	11	2	29	320	483
		1927	280	33	18	3	21	355	654
5	Carleton Place, at junction of Smith's Falls Highway	1926	407	39	30	2	32	510	761
		1925	Not taken						
		1927	678	44	43	3	59	827	1,324
6	Bell's Corners	1925	498	82	60	4	64	708	1,663
		1926	646	35	38	3	28	750	1,221
		1927	881	71	69	2	42	1,065	1,836

KINGSTON-OTTAWA HIGHWAY

Highway No. 15

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Barriefield	1925	314	8	41	4	59	426	670
		1926	369	12	49	.....	52	482	807
		1927	482	18	66	2	43	611	905
2	Seeley's Bay	1925	121	3	14	3	18	159	294
		1926	143	9	13	1	22	188	301
		1927	230	13	19	3	12	277	514
3	Lombardy	1925	201	6	13	2	93	315	422
		1926	214	4	11	2	90	321	453
		1927	299	10	19	2	85	415	617
4	Lot 7, Concession III, Drummond Township	1925	122	3	9	2	28	164	229
		1926	139	3	6	2	21	171	260
		1927	179	4	9	3	23	218	330
5	Carleton Place, junction of Smith's Falls Road	1926	193	6	24	1	36	260	421
		1927	353	10	33	2	30	428	710
6	Bell's Corners	1925	366	6	40	2	47	461	658
		1926	373	8	42	2	41	466	708
		1927	674	22	62	2	35	795	1,728

JOHNSTOWN-OTTAWA HIGHWAY

Traffic Census—Summer

Highway No. 16

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Johnstown Corners	1925	263	151	22	6	10	452	545
		1926	539	195	29	7	10	780	1,326
		1927	478	247	36	5	10	776	1,199
2	Concessions I and II, Oxford Township	1925	315	106	26	6	30	483	812
		1926	495	131	34	11	25	696	1,156
		1927	527	157	28	6	18	736	1,349
3	At junction of Ottawa-Kingston Highway	1925	1,276	145	82	17	60	1,580	1,905
		1926	1,254	181	112	8	55	1,610	2,171
		1927	1,723	176	96	11	36	2,042	2,536

JOHNSTOWN-OTTAWA HIGHWAY

Traffic Census—Fall

Highway No. 16

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Johnstown Corners	1925	111	47	17	.....	20	195	248
		1926	Not taken						
		1927	366	101	30	4	14	515	857
2	Concessions I and II, Oxford Township	1925	164	21	18	7	27	237	371
		1926	248	33	33	5	21	340	425
		1927	381	78	34	5	17	515	746
3	At junction of Ottawa-Kingston Highway	1925	443	37	48	12	61	601	857
		1926	606	59	67	5	43	780	1,007
		1927	987	101	123	5	51	1,267	2,116

PEMBROKE-POINT FORTUNE HIGHWAY

Traffic Census—Summer — **Highway No. 17**

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Cobden Road at Concessions I and II, Ross Twp..	1925	205	7	11	5	84	312	334
		1926	219	7	14	.....	77	317	353
		1927	257	7	15	1	78	358	447
2	Lot 21, Concession I, Admaston Twp.....	1925	172	22	12	2	25	233	369
		1926	196	17	12	.....	17	242	374
		1927	229	26	15	1	18	289	439
3	Lots 20, 21, Cons. III, IV, Fitzroy Township.....	1925	335	21	26	9	30	421	493
		1926	483	27	33	17	26	586	815
		1927	550	33	29	8	14	634	799
4	Lots 15, 16, Concessions III, IV, March Twp.....	1925	169	7	11	2	15	204	284
		1926	283	41	45	3	42	414	714
		1927	313	31	15	1	14	374	628
5	Quarries.....	1925	514	223	74	20	137	968	1,226
		1926	586	243	83	21	83	1,016	1,485
		1927	580	140	135	13	85	953	1,246
6	One mile west of Alfred.....	1925	200	165	8	17	138	528	802
		1926	299	182	25	10	101	617	901
		1927	212	89	30	4	108	443	643
7	Point Fortune.....	1925	170	238	14	4	40	465	797
		1926	233	241	27	1	34	536	887
		1927	147	160	22	.....	27	356	568

PEMBROKE-POINT FORTUNE HIGHWAY

Highway No. 17

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Junction Cobden Road, Concessions II and II, Ross Township, at Beachburg Road. (Assumed as Provincial Highway in 1927.)	1925	98	1	6	.....	96	201	339
		1926	121	3	9	.....	64	197	273
		1927	204	1	13	.....	104	322	393
2	Lot 21, Concession I, Admaston Township	1925	94	5	9	1	17	126	156
		1926	109	4	7	2	41	163	324
		1927	223	16	17	.....	16	272	460
3	Lots 20, 21, Concessions III, IV, Fitzroy Township	1925	184	5	23	.....	35	247	352
		1926	230	5	18	2	41	296	495
		1927	468	10	28	3	11	520	612
4	Lots 15 and 16, Concessions III, IV, March Twp.	1925	121	3	25	.....	20	169	176
		1926	199	20	33	5	33	290	367
		1927	297	15	23	.....	16	351	609
5	Quarries	1925	196	47	55	19	66	383	505
		1926	267	52	63	16	81	479	721
		1927	577	135	125	12	74	923	1,831
6	One mile west of Alfred	1925	112	31	13	12	82	250	318
		1926	151	46	18	6	93	314	418
		1927	205	98	23	6	100	432	692
7	Point Fortune	1925	64	52	16	.....	31	163	256
		1926	88	79	15	1	33	216	297
		1927	152	132	22	.....	29	335	558

MORPETH TO HIGHWAY No. 7 Via Dresden

Highway No. 21

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Morpeth	1925	320	42	33	.....	28	423	712
		1926	351	49	37	6	44	487	597
		1927	552	48	100	7	29	736	1,062
2	Intersection of Ridgetown-Highgate Road	1925	170	19	14	.....	26	229	299
		1926	116	7	9	1	12	145	172
		1927	513	75	38	1	20	647	1,106
3	Dresden-Thamesville Road at Townline Road between Camden and Chatham Townships	1927	247	14	22	6	23	312	491
4	Intersection of Sarnia-London Highway	1925	285	515	23	1	27	851	1,398
		1926	415	26	23	.....	19	483	721
		1927	575	421	33	4	17	1,050	1,758

MORPETH TO HIGHWAY No. 7, Via Dresden

Highway No. 21

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Morpeth	1925	194	3	27	.....	22	246	356
		1926	259	5	25	6	24	319	350
		1927	487	22	47	6	38	600	721
2	Intersection of Ridgetown-Highgate Road	1925	33	.....	2	.....	7	42	65
		1926	152	1	13	.....	13	179	217
		1927	398	12	18	3	20	451	851
3	Dresden-Thamesville Road at Townline Road between Camden and Chatham Townships	1927	249	9	20	6	38	322	462
4	Intersection of Sarnia-London Highway	1925	213	79	22	.....	39	353	463
		1926	289	15	12	.....	25	341	558
		1927	295	20	23	.....	42	380	625

LONDON TO HIGHWAY No. 7, Via Strathroy

Traffic Census—Summer

Highway No. 22

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Poplar Hill	1925	306	588	23	3	19	939	1,225
		1926	294	787	21	3	8	1,113	1,388
		1927	266	306	19	2	7	600	836

LONDON TO HIGHWAY No. 7, Via Strathroy

Traffic Census—Fall

Highway No. 22

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Poplar Hill	1925	171	80	32	2	13	298	391
		1926	145	106	22	2	8	283	388
		1927	233	98	31	2	7	371	588

MITCHELL-TEVIOTDALE HIGHWAY

Highway No. 23

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Bornholm	1925	230	17	15	.....	47	309	503
		1926	289	12	20	.....	44	365	456
		1927	269	11	25	.....	40	345	484
2	Teviotdale	1925	52	1	4	.....	6	63	103
		1926	103	4	7	.....	12	126	173
		1927	221	12	12	.....	21	266	448

MITCHELL-TEVIOTDALE HIGHWAY

Highway No. 23

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Bornholm	1925	202	.....	14	.....	99	315	295
		1926	201	5	15	.....	78	299	325
		1927	314	6	28	1	46	395	610
2	Teviotdale	1925	41	.....	5	.....	13	59	65
		1926	69	.....	4	.....	9	82	103
		1927	156	3	11	.....	13	183	306

SIMCOE-GUELPH HIGHWAY, Via Brantford, Paris

Highway No. 24

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Concessions 6 and 7, Townsend Township	1925	304	9	46	1	71	431	601
		1926	513	29	60	1	56	659	887
		1927	593	42	78	.....	32	745	1,147
2	Oakland	1927	745	39	89	.....	26	899	1,413
3	Paris	1927	286	19	29	.....	35	369	464

SIMCOE-GUELPH HIGHWAY, Via Brantford, Paris

Highway No. 24

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Concessions VI and VII, Townsend Township	1925	146	1	26	.....	70	243	359
		1926	284	3	64	.....	45	396	498
		1927	425	15	96	.....	40	576	799
2	Oakland	1927	497	8	91	.....	33	629	923
3	Paris	1927	379	9	36	.....	34	458	831
4	Junction of Road to Ayr	1927	396	17	29	.....	12	454	901
5	Junction of Road to Preston	1927	804	8	111	8	12	943	1,643

PALERMO-MILTON HIGHWAY

Highway No. 25

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Boyne	1925	186	1	12	.....	10	209	341
		1926	249	3	14	6	8	280	308
		1927	198	2	21	1	8	230	309

PALERMO-MILTON HIGHWAY

Highway No. 25

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Boyne	1925	198	.....	25	.....	46	269	467
		1926	187	1	22	4	22	236	304
		1927	197	2	17	1	11	228	374

BARRIE-OWEN SOUND HIGHWAY

Highway No. 26

Traffic Census - Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Midhurst	1925	241	10	15	.....	16	281	483
		1926	398	12	16	.....	12	438	715
		1927	287	19	18	.....	7	331	585
2	Sunnidale Corners	1925	233	17	7	.....	15	272	409
		1926	405	24	11	.....	22	462	697
		1927	308	19	12	1	21	361	385
3	Lot 31, Collingwood Twp	1925	301	31	37	.....	13	382	505
		1926	466	16	28	.....	35	545	734
		1927	537	7	55	1	49	649	747
4	Woodford	1925	245	14	9	.....	21	289	408
		1926	288	19	23	1	24	355	452
		1927	321	21	18	.....	22	382	445

BARRIE-OWEN SOUND HIGHWAY

Highway No. 26

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse drawn Vehicles	Total daily Average	Maximum for One Day
			Ontario	Foreign					
1	Midhurst	1925	101	1	10	.....	17	129	193
		1926	129	1	14	.....	16	160	213
		1927	238	3	12	.....	15	268	430
2	Sunnidale Corners	1925	146	1	4	.....	29	180	364
		1926	156	1	18	.....	31	206	265
		1927	181	2	12	.....	20	215	340
3	Lot 31, Collingwood Twp	1925	133	.....	22	.....	22	177	214
		1926	368	1	90	.....	71	530	632
		1927	475	2	87	5	80	649	796
4	Woodford	1925	154	1	10	.....	27	192	231
		1926	169	.....	15	.....	26	210	255
		1927	299	1	21	1	20	342	504

BARRIE-MIDLAND AND PENETANGUISHENE

Highway No. 27

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Midhurst	1925	170	7	10	.....	6	193	360
		1926	263	7	14	4	1	289	510
		1927	236	9	12	1	1	258	334

BARRIE-MIDLAND AND PENETANGUISHENE

Highway No. 27

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Midhurst	1925	59	.....	7	.....	7	73	111
		1926	54	.....	6	.....	4	64	81
		1927	104	.....	7	.....	2	113	183

PORT HOPE-PETERBOROUGH HIGHWAY

Highway No. 28

Traffic Census—Summer

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Intersection of Welcome Road	1926	653	88	48	4	51	844	1,195
		1927	586	121	54	4	30	795	1,499
2	South of Peterborough at Concessions 7 and 8, Monaghan Township	1925	467	51	33	.....	19	570	910
		1926	516	63	38	3	18	638	1,073
		1927	492	131	59	4	20	706	1,267

PORT HOPE-PETERBOROUGH HIGHWAY

Highway No. 28

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Intersection of Welcome Road	1925	196	2	23	.....	53	274	339
		1926	272	6	40	2	66	386	637
		1927	232	3	68	1	42	346	461
2	South of Peterborough at Concessions 7 and 8, Monaghan Township	1925	211	2	27	.....	19	259	373
		1926	266	10	37	3	23	339	509
		1927	618	20	67	3	7	715	1,614

BROCKVILLE-ARNPRIOR HIGHWAY, Via Smith's Falls and Carleton Place

Highway No. 29

Traffic Census—Summer

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Forthon	1925	59	8	30	1	8	106	130
		1926	61	13	28	.....	4	106	152
		1927	74	17	24	5	10	130	161
2	Toledo	1925	132	8	13	.....	72	225	328
		1926	191	9	15	.....	74	289	353
		1927	312	15	26	4	117	474	651
3	Lots 2, 3, Concession 9, Ramsay Township	1927	327	15	25	.....	31	398	647
4	Lots 20, 21, Concession 9, Ramsay Township	1927	296	20	20	1	40	377	605
5	Pakenham	1927	129	8	5	.....	40	182	265

BROCKVILLE-ARNPRIOR HIGHWAY, Via Smith's Falls and Carleton Place

Highway No. 29

Traffic Census—Fall

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Forthon	1925	44	1	24	.....	9	78	112
		1926	42	2	18	1	4	67	86
		1927	123	3	27	4	7	164	275
2	Toledo	1925	107	1	11	.....	77	196	263
		1926	106	.....	10	.....	73	189	259
		1927	419	15	50	9	68	561	750
3	Concession 9, Lots 2, 3, Ramsay Township	1927	302	7	28	.....	23	360	606
4	Concession 9, Lots 20, 21 Ramsay Township	1927	179	3	19	.....	53	254	324
5	Pakenham	1927	244	3	18	.....	130	395	471

MORRISBURG NORTH HIGHWAY

Highway No. 31

Traffic Census—Summer

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Morrisburg	1925	529	71	78	9	152	839	940
		1926	437	71	55	8	72	643	882
		1927	419	65	43	9	75	611	866
2	South of Winchester	1925	397	27	32	3	114	573	783
		1926	390	28	33	3	100	554	700
		1927	487	49	45	4	131	716	946

MORRISBURG NORTH HIGHWAY

Highway No. 31

Traffic Census—Fall

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Morrisburg	1925	240	17	43	10	104	414	623
		1926	150	12	14	5	38	219	290
		1927	393	45	38	8	67	551	674
2	South of Winchester	1925	241	6	21	3	106	377	409
		1926	261	5	28	2	83	379	476
		1927	566	33	56	4	142	801	1,040

TRAFFIC ON THE BRIDGES IN THE NIAGARA DISTRICT

Fall

Bridge	Direction	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total	Maximum for One Day
			Ontario	Foreign					
Peace Bridge....	Going into the States.....	1927	1,744	7,916	104	452	11	10,227	
	Coming into Canada.....	1927	1,946	8,994	87	471	3	11,501	
	Total for one week, Oct. 12-18.....		3,690	16,910	191	923	14	21,728	
	Daily Average.....		527	2,416	27	132	2	3,104	6,335
Lower Niagara Falls Bridge...	Going into the States.....	1927	4,649	6,169	401	173	33	11,425	
	Coming into Canada.....	1927	4,044	5,965	278	157	36	10,480	
	Total for one week, Oct. 12-18.....		8,693	12,134	679	330	69	21,905	
	Daily Average.....		1,242	1,733	97	47	10	3,129	4,894
Upper Niagara Falls Bridge..	Going into the States.....	1927	2,361	3,595	84	26	.....	6,066	
	Coming into Canada.....	1927	2,416	3,424	73	25	.....	5,938	
	Total for one week, Oct. 12-18.....		4,777	7,019	157	51	.....	12,004	
	Average Daily.....		682	1,003	23	7	.....	1,715	2,420
Lewiston Bridge.	Going into the States.....	1927	301	704	9	.....	2	1,016	
	Coming into Canada.....	1927	289	668	10	1	2	970	
	Total for one week Oct. 12-18.....		590	1,372	19	1	4	1,986	
	Daily Average.....		84	196	3	.....	1	284	575
	Grand Total for the Four Bridges..		17,750	37,435	1,046	1,305	87	57,623	
	Total Daily Average Four Bridges..		2,535	5,348	150	186	13	8,232	14,224

LABOUR DAY, 1926 and 1927

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily	Maximum for One Day
			Ontario	Foreign					
2–17	Long Branch	1926	12,392	6,279	491	298	24	19,484	.....
		1927	11,485	10,880	609	371	21	23,366	.....
2–18	Junction of Danforth Avenue and Markham Road	1926	9,597	544	201	64	31	10,437	.....
		1927	8,444	897	276	160	14	9,791	.....
2–18¼	Junction of Old Kingston Road and Provincial Highway	1926	11,352	1,378	256	76	29	13,091	.....
		1927	11,901	1,896	387	115	32	14,331	.....
5–1	Dundas Street at Islington	1926	10,603	2,130	370	60	15	11,048	.....
		1927	13,630	2,037	414	43	9	16,133	.....
5–2	Dundas Street at Cooksville	1927	13,868	3,425	464	49	16	17,822	.....
11–0	Yonge Street at Lansing	1926	8,007	1,230	364	10	42	9,653	.....
11–1	Yonge Street at Langstaff	1927	8,412	989	211	10	6	9,628	.....
2–2	Maidstone	1927	2,486	5,868	134	30	65	8,583	.....
3–1	Maidstone	1927	4,755	7,386	229	28	66	12,464	.....
8–1	South end Corner	1927	5,757	11,334	97	101	3	17,292	.....
	Welland 1a Garrison Rd. at Ridgeway Road	1927	1,620	13,730	88	57	0	15,495	.....
	Welland 1 b Ridgeway Rd. at Garrison Road	1927	1,709	9,646	97	51	10	11,513	.....

Appendix No. 15

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
BRANT COUNTY—SUMMER:								
Brant 1a—Townline Road at Oakland Road	1925	45	1	10	.....	23	79	118
	1926	47	2	11	.....	20	80	108
	1927	36	.....	10	.....	18	64	92
Brant 1b—Oakland Road at Townline Road	1925	177	5	26	.....	55	263	322
	1926	463	17	47	1	37	565	736
	1927	147	2	20	.....	23	162	256
Brant 2a—Brantford-Galt Road at Shipman's Corners	1925	201	6	15	9	16	247	384
	1926	236	12	14	8	19	289	356
	1927	257	7	25	9	11	309	380
Brant 2b—Dundas Street at Shipman's Corners	1925	43	2	4	.....	12	61	98
	1926	49	2	2	.....	18	71	94
	1927	43	2	8	.....	9	62	84
Brant 3a—Burford Road at New Durham Road	1925	450	342	41	.....	12	845	1,152
	1926	313	32	17	.....	17	379	516
	1927	327	24	88	2	13	454	603
Brant 3b—New Durham Road at Burford Road	1925	156	33	19	.....	22	230	250
	1926	82	5	2	1	8	98	157
	1927	104	3	24	.....	3	134	172
2-13a—Onondaga Road at Cainsville	1925	186	5	27	.....	43	261	324
	1926	373	17	34	2	38	464	559
	1927	282	9	40	2	35	368	492
24-2a—Scotland Road at Oakland	1927	449	8	59	.....	21	537	790
BRANT COUNTY—FALL:								
Brant 1a—Townline Road at Cockshutt Road	1925	16	.....	2	.....	39	57	81
	1926	6	.....	.....	.....	25	31	45
	1927	45	.....	7	.....	20	72	148
Brant 1b—Cockshutt Road at Townline Road	1925	101	1	17	.....	57	176	273
	1926	94	1	11	.....	47	153	270
	1927	129	1	18	.....	25	173	321
Brant 2a—Brantford-Galt Road at Shipman's Corners	1925	92	2	19	9	20	142	211
	1926	156	1	16	9	20	202	227
	1927	236	1	36	9	21	303	491
Brant 2b—Dundas Street at Shipman's Corners	1925	14	.....	4	1	15	34	49

	1926	26	1	6	.....	15	48	94
	1927	44	.....	7	.....	19	70	94
Brant 3a—Burford Road at New Durham Road.....	1925	210	2	39	.....	26	277	353
	1926	211	4	58	.....	21	294	372
	1927	370	31	94	2	15	512	641
Brant 3b—New Durham Road at Burford Road.....	1925	103	.....	19	.....	8	130	202
	1926	93	1	34	.....	10	138	178
	1927	118	2	20	.....	3	143	210
2–13a—Onondaga Road at Cainsville.....	1925	164	1	33	.....	62	260	333
	1926	175	2	34	1	45	257	423
	1927	239	4	34	1	38	316	638
24–2a—Scotland Road at Oakland.....	1927	322	2	52	.....	29	405	544
Bruce County—Summer:								
Bruce 2a—S. of Southampton, Southampton-Kincardine traffic.....	1925	193	29	11	.....	31	264	409
	1926	244	43	15	1	25	328	420
	1927	332	50	11	2	6	401	662
Bruce 2b—S. of Southampton, Paisley Road traffic.....	1925	5	1	4	.....	2	12	96
	1926	55	2	3	.....	18	78	112
	1927	183	11	3	.....	7	204	259
Bruce 3a—Miller Lake Road traffic at St. Edmonds-Lindsay Townline.....	1925	35	1	.....	.....	7	43	96
	1926	31	3	.....	.....	1	35	58
	1927	20	6	1	.....	1	28	37
Bruce 3b—Brinkman Road traffic at St. Edmonds-Lindsay Townline.....	1925	19	1	.....	.....	1	21	26
	1926	9	.....	.....	.....	.....	9	20
	1927	5	1	.....	.....	.....	6	14
Bruce 4a—Lucknow Road at Langside Road, Lot 30, Kinloss Twp.....	1925	117	5	14	.....	14	150	168
	1926	Not taken	.....	.....	.....	.....	.....	.....
	1927	157	5	14	.....	8	184	266
Bruce 4b—Langside Road at Lucknow Road, Lot 30, Kinloss Twp.....	1925	10	.....	.....	.....	5	15	20
	1926	Not taken	.....	.....	.....	.....	.....	.....
	1927	26	1	1	.....	5	33	42
Bruce 5a—Owen Sound-Southampton traffic at junction of Hepworth-Wiarton Road.....	1927	251	69	17	3	6	346	428
Bruce 5b—Hepworth-Wiarton traffic at junction of Owen Sound-Southampton Road.....	1927	124	31	8	.....	3	166	253
4a–1a—Chesley Road at Hanover Road.....	1925	103	4	9	.....	24	140	153
	1926	128	2	8	.....	22	160	204
	1927	157	2	8	.....	21	188	388

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
BRUCE COUNTY—FALL:								
Bruce 2a—Southampton-Kincardine Road at Paisley Road, S. of Southampton	1925	84	1	7	.....	31	123	164
	1926	107	2	8	1	23	141	168
	1927	228	3	10	1	16	258	422
Bruce 2b—Paisley Road at Southampton-Kincardine Road, S. of Southampton	1925	31	.....	2	.....	24	57	86
	1926	21	.....	1	.....	11	33	40
	1927	79	.....	3	.....	9	91	124
Bruce 3a—Miller Lake Road at St. Edmonds-Lindsay Townline	1925	7	.....	.....	.....	4	11	16
	1926	11	.....	2	.....	1	14	26
	1927	14	4	3	.....	0	21	45
Bruce 3b—Brinkman Road at St. Edmonds-Lindsay Townline	1925	3	.....	.....	.....	1	4	7
	1926	2	.....	.....	.....	.....	2	4
	1927	4	1	.....	.....	.....	5	18
Bruce 4a—Lucknow Road at Langside Road, Lot 30, Kinloss Twp.	1925	117	5	14	.....	14	150	168
	1926	Not taken	.....	.....	.....	.....	.....	.....
	1927	135	1	10	.....	9	155	327
Bruce 4b—Langside Road at Lucknow Road, Lot 30, Kinloss Twp.	1925	10	.....	.....	.....	5	15	20
	1926	Not taken	.....	.....	.....	.....	.....	.....
	1927	43	2	2	.....	6	53	89
Bruce 5a—Owen Sound-Southampton Road at Hepworth-Wiarton Road	1927	244	11	18	3	13	289	390
Bruce 5b—Hepworth-Wiarton Road at Owen Sound-Southampton Road	1927	112	5	9	.....	4	130	168
Bruce 6a—Tiverton-Southampton Road at Pinkerton Road	1927	100	13	10	.....	9	132	186
Bruce 6b—Pinkerton Road at Tiverton-Southampton Road	1927	50	3	4	.....	20	77	93
Bruce 6a—Tiverton-Southampton traffic at Pinkerton Rd.	1927	142	47	9	1	6	205	349
Bruce 6b—Tiverton-Pinkerton traffic at Southampton Rd.	1927	53	6	5	.....	17	81	110
9-4a—Kinloss-Lucknow traffic at Kinloss	1925	67	3	4	.....	10	84	159

	1926	55	3	1	.....	7	67	110
	1927	74	3	8	.....	8	93	126
4A-1a—Chesley Road at Hanover Road	1925	88	.....	5	.....	41	134	205
	1926	128	.....	5	.....	47	180	243
	1927	113	1	8	.....	22	144	246
9-1a—Kinloss-Lucknow Road at Kinloss	1925	Closed to	traffic					
	1926	44	.....	3	.....	7	54	83
	1927	59	1	7	.....	7	74	100
CARLETON COUNTY—SUMMER:								
Carleton 1a—Morrisburg-Ottawa Road at Metcalfe Road Lots 20 and 21, Cons. 6 and 7, Osgoode Twp.	1925	254	19	28	6	58	365	422
	1926	408	22	39	3	52	524	898
	1927	287	21	29	4	8	349	593
Carleton 1b—Metcalfe Road at Morrisburg-Ottawa Road Lots 20 and 21, Con. 6, Osgoode Twp.	1925	205	8	22	6	37	278	363
	1926	186	5	21	4	33	249	359
	1927	200	2	24	2	28	256	398
Carleton 2—Morrisburg-Ottawa Road, Lot 3, Con. 3, Gloucester Township	1925	600	39	71	4	95	809	915
	1926	576	54	63	10	84	787	1,068
	1927	694	73	124	4	52	947	1,330
Carleton 3a—Stittsville-Carp Road at West Huntley Road	1925	173	7	9	.....	39	228	359
	1926	163	6	11	.....	29	209	321
	1927	161	6	12	.....	33	212	321
Carleton 3b—West Huntley Road at the Stittsville-Carp Road	1925	22	.....	.....	.....	7	29	32
	1926	21	.....	1	.....	8	30	45
	1927	20	.....	1	.....	6	27	43
Carleton 4a—Almonte-Carp Road at Stittsville-Carp Road	1925	28	.....	.....	.....	17	45	76
	1926	43	.....	1	.....	22	66	98
	1927	76	15	13	.....	34	138	183
Carleton 4b—Stittsville-Carp Road at Almonte-Carp Road	1925	189	4	9	.....	58	260	376
	1926	169	4	10	.....	45	228	328
	1927	165	10	18	.....	46	239	335
Carleton 5a—Bowesville Road at Townline Road	1925	37	1	14	.....	29	81	98
	1926	51	.....	7	.....	21	79	161
	1927	40	.....	4	.....	22	66	81
Carleton 5b—Townline Road between Nanotick and Metcalfe Twps., at Bowesville Road	1925	37	1	14	.....	29	81	98
	1926	51	.....	7	.....	21	79	161
	1927	26	.....	5	.....	36	67	77
Carleton 6a—Townline Road at River Road	1925	165	2	13	.....	97	277	373
	1926	63	2	9	.....	34	108	140
	1927	121	1	8	.....	59	189	261

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Carleton 6b—River Road at Townline Road	1925	115	2	7	.....	68	192	236
	1926	80	1	7	.....	41	129	189
	1927	84	1	6	1	37	129	215
Carleton 7a—River Road at Bowesville Road	1925	149	3	10	1	16	179	238
	1926	103	5	26	1	20	155	219
	1927	71	.....	60	.....	7	138	169
Carleton 7b—Bowesville Road at River Road	1925	93	3	11	1	21	129	144
	1926	462	* 28	49	19	43	601	1,137
	1927	534	6	83	.....	27	650	787
Carleton 8a—Franktown Road at Richmond Village	1927	129	4	8	.....	29	170	249
Carleton 8b—Richmond Road at Richmond Village	1927	260	7	18	.....	47	332	459
15–6a—Richmond Road at Bell's Corners	1925	176	6	16	.....	33	232	322
	1926	455	30	46	2	32	565	909
	1927	218	6	21	.....	25	271	448
17–3a—Galetta Road at Lots 20 and 21, Cons. 3 and 4, Fitzroy Twp	1925	227	9	17	4	24	282	308
	1926	330	6	19	9	22	386	455
	1927	346	10	17	4	9	386	565
17–3b—Pakenham Road, at Lots 20 and 21, Cons. 3 and 4, Fitzroy Twp	1925	115	3	5	2	20	145	227
	1926	145	2	6	4	21	178	214
	1927	227	9	6	2	6	251	376
17–4a—County Road between Lots 15 and 16, Cons. 3 and 4, March Twp	1925	205	11	16	1	20	254	461
	1926	206	31	36	4	31	308	564
	1927	245	17	13	.....	12	287	583
CARLETON COUNTY—FALL:								
Carleton 1a—Morrisburg-Ottawa Road at Metcalfe Road, Lots 20 and 21, Cons. 6 and 7, Osgoode Twp	1925	192	1	22	2	46	263	394
	1926	257	8	36	6	47	354	439
	1927	435	9	45	4	32	525	958
Carleton 1b—Metcalfe Road at Morrisburg Road, Lots 20 and 21, Cons. 6 and 7, Osgoode Twp	1925	109	1	12	2	29	153	211
	1926	147	8	18	5	46	224	310
	1927	214	.....	23	4	25	266	390

Carleton 2—Mor.isburg-Ottawa Road, Lot 3, Con. 3, Gloucester Township	1925	291	8	66	4	90	459	756
	1926	456	20	63	3	74	618	907
	1927	568	37	112	2	45	764	1,504
Carleton 3a—Stittsville-Carp Road at West Huntley Road	1925	101	.....	9	.....	35	145	204
	1926	98	.....	6	1	31	136	152
	1927	157	2	9	.....	40	208	375
Carleton 3b—West Huntley Road at Stittsville-Carp Road	1925	10	.....	1	.....	5	16	30
	1926	10	.....	1	.....	3	14	19
	1927	19	.....	1	.....	4	24	32
Carleton 4a—Almonte-Carp Road at Stittsville-Carp Road	1925	18	.....	1	.....	40	59	110
	1926	32	3	3	.....	21	59	67
	1927	76	4	9	.....	29	118	167
Carleton 4b—Stittsville-Carp Road at Almonte-Carp Road	1925	93	1	8	.....	42	144	220
	1926	91	2	7	.....	41	141	164
	1927	194	5	18	.....	69	286	458
Carleton 5a—Bowesville Road at Townline Road	1925	9	.....	1	.....	10	20	32
	1926	53	2	5	.....	37	97	160
	1927	32	.....	7	.....	13	52	69
Carleton 5b—Townline Road between Nanotick and Metcalfe Road at Bowesville Road	1925	9	.....	1	.....	10	20	32
	1926	53	2	5	.....	37	97	160
	1927	51	.....	8	.....	17	76	131
Carleton 6a—Townline Road at River Road	1925	53	.....	8	.....	53	114	192
	1926	47	.....	4	.....	30	81	100
	1927	141	1	18	.....	62	222	333
Carleton 6b—River Road at Townline Road	1925	54	.....	6	.....	60	120	143
	1926	43	.....	3	.....	28	74	90
	1927	89	.....	9	.....	40	139	224
Carleton 7a—River Road at Bowesville Road	1925	36	.....	3	.....	29	68	109
	1926	60	1	38	3	11	113	138
	1927	39	.....	53	.....	1	93	101
Carleton 7b—Bowesville Road at River Road	1925	71	.....	13	.....	24	108	173
	1926	217	5	55	.....	62	339	453
	1927	339	2	101	.....	19	461	769
Carleton 8a—Franktown Road at Richmond Village	1927	136	1	10	.....	36	183	221
Carleton 8b—Richmond Road at Richmond Village	1927	296	6	31	.....	51	384	573
15-6a—Richmond Road at Bell's Corners	1925	88	1	13	.....	17	119	173
	1926	103	1	13	.....	22	139	198
	1927	195	4	19	.....	19	237	490
17-3a—Galetta Road at Lots 20 and 21, Cons. 3 and 4, Fitzroy Twp.	1925	90	2	10	.....	27	129	200
	1926	100	1	13	1	25	140	195
	1927	261	2	16	3	14	296	381

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
17–3b—Pakenham Road at Lots 20 and 21, Cons. 3 and 4, Fitzroy Twp.	1925	24	.....	3	.....	14	41	62
	1926	24	.....	4	.....	16	44	60
	1927	155	1	4	.....	14	174	251
17–4a—County Road between Lots 15 and 16, Cons. 3 and 4, March Twp.	1925	99	2	19	.....	24	144	193
	1926	110	11	24	.....	27	172	238
	1927	171	10	15	.....	16	212	348
DUFFERIN COUNTY—SUMMER:								
Dufferin 1a—Arthur Road at Grand Valley Road.	1925	30	.....	1	.....	5	36	47
	1926	168	3	13	.....	22	206	258
	1927	191	7	12	.....	28	238	305
Dufferin 1b—Grand Valley Road at Arthur-Orangeville Rd.	1925	131	2	5	.....	23	161	270
	1926	166	1	12	.....	26	205	280
	1927	186	4	13	.....	24	227	265
Dufferin 1c—Bellwood Road at junction Grand Valley Road and Arthur-Orangeville Road.	1925	18	.....	1	.....	2	21	35
	1926	49	.....	2	.....	9	60	88
	1927	54	.....	7	.....	7	68	97
Dufferin 2a—Hillsburg Road at Reading.	1925	195	4	4	.....	6	209	353
	1926	113	1	4	.....	3	121	194
	1927	127	3	6	.....	5	141	212
Dufferin 2b—Fergus-Orangeville Road at Reading.	1925	215	2	6	.....	6	229	287
	1926	174	4	8	.....	8	194	323
	1927	182	5	12	.....	13	212	298
10–3a—Hockley's Road, Lots 5 and 6, Con. 2, West Mono Twp.	1925	103	1	15	.....	14	133	184
	1926	108	1	10	.....	9	128	164
	1927	171	6	16	1	16	210	331
10–4a—Shelburne-Collingwood Road traffic North of Shelburne	1927	232	7	22	.....	46	307	399
DUFFERIN COUNTY—FALL:								
Dufferin 1a—Arthur Road at Grand Valley Road.	1925	45	1	4	.....	20	70	91
	1926	108	.....	8	.....	39	155	199

	1927	122	1	8	.....	17	148	206
Dufferin 1b—Grand Valley Road at Arthur Road	1925	76	1	8	1	38	124	139
	1926	112	.....	8	.....	50	170	211
	1927	89	.....	7	.....	22	118	145
Dufferin 1c—Bellwood Road at Grand Valley Road	1925	17	.....	2	.....	10	29	39
	1926	33	.....	3	.....	17	53	78
	1927	48	.....	5	.....	10	63	98
Dufferin 2a—Hillsburg Road at Reading	1925	70	1	12	.....	24	107	139
	1926	68	1	6	.....	4	79	97
	1927	102	1	16	.....	4	123	213
Dufferin 2b—Fergus-Orangeville Road at Reading	1925	81	1	13	.....	23	118	164
	1926	99	1	7	.....	4	111	138
	1927	159	1	24	.....	7	191	341
10–3a—Hockley's Road at Lots 5 and 6, Con. 2, West Mono Twp	1925	58	.....	3	.....	22	83	125
	1926	57	.....	7	.....	13	77	92
	1927	80	.....	10	.....	6	96	175
10–4a—Shelburne-Collingwood Road North of Shelburne	1927	Under construction.						
DUNDAS COUNTY—SUMMER:								
Dundas 2a—Crysler Road at Morewood	1925	153	1	8	.....	122	284	422
	1926	176	2	10	.....	148	336	457
	1927	197	3	17	.....	137	354	547
Dundas 2b—Chesterville Road at Morewood	1925	192	2	8	.....	171	373	504
	1926	213	2	14	.....	169	399	507
	1927	216	4	19	.....	139	378	507
Dundas 3a—Williamsburg-Chesterville Road at junction of Road to Gallingerton	1925	1	7	9	.....	56	73	221
	1926	126	7	8	.....	50	191	262
	1927	145	6	8	1	34	194	222
Dundas 3b—Road to Gallingertown at junction of Williamsburg-Chesterville Road	1925	18	1	4	.....	69	92	143
	1926	26	1	3	.....	71	101	154
	1927	25	.....	2	.....	21	48	81
31–2a—Chesterville Road, 1½ miles South of Winchester	1925	139	6	12	.....	26	183	283
	1926	136	6	14	.....	18	174	261
	1927	181	6	15	.....	25	227	305
DUNDAS COUNTY—FALL:								
Dundas 2a—Crysler Road at Morewood	1925	85	.....	3	.....	99	187	231
	1926	207	2	14	.....	205	428	562
	1927	218	6	19	.....	161	404	550
Dundas 2b—Chesterville Road at Morewood	1925	120	.....	8	.....	155	283	360
	1926	220	1	14	.....	192	427	607
	1927	218	6	19	.....	138	381	546

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-d awn Vehicles	Total Daily Average	Maximum for One Day
Dundas 3a—Williamsburg-Chesterville Road at Bouckhill Road	1925	85	3	7	.....	52	147	217
	1926	94	3	11	.....	48	156	173
	1927	129	5	8	1	28	171	220
Dundas 3b—Gallingertown Road at Bouckhill Road	1925	18	.....	2	.....	53	73	108
	1926	23	1	1	.....	47	72	99
	1927	28	.....	1	1	32	62	83
31–2a—Chesterville Road, 1½ miles South of Winchester	1925	107	1	7	.....	32	147	190
	1926	110	2	10	.....	22	144	183
	1927	258	17	25	1	82	383	464
ELGIN COUNTY—SUMMER:								
Elgin 1a—Port Bruce Road at Copenhagen	1925	113	4	1	.....	22	140	217
	1926	105	9	13	.....	10	137	200
	1927	172	8	16	1	5	202	382
Elgin 1b—Port Burwell Road at Copenhagen	1925	209	10	11	1	18	249	478
	1926	204	18	14	.....	18	254	359
	1927	268	21	18	.....	14	321	655
Elgin 2a—St. Thomas-Port Stanley Road at Union	1925	1,400	156	104	1	21	1,682	2,653
	1926	1,771	199	120	.....	22	2,112	2,945
	1927	1,779	214	132	.....	18	2,143	3,912
Elgin 2b—Sparta Road at Union	1925	390	22	51	.....	22	485	594
	1926	328	17	46	.....	19	410	536
	1927	336	38	57	.....	16	447	603
Elgin 3a—Dutton-West Lorne Road at Lots 6 and 7, Dunwich Township	1925	124	6	15	.....	15	157	187
	1926	121	6	7	.....	8	142	179
	1927	194	6	23	.....	11	234	262
Elgin 3b—Campbellton Road at Lots 6 and 7, Dunwich Township	1925	22	.....	2	.....	5	21	44
	1926	15	1	.....	.....	6	22	33
	1927	14	1	2	.....	9	26	33
Elgin 4a—Campbellton Road at Dunwich Townline	1925	17	1	1	.....	1	20	35
	1926	11	.....	1	.....	1	13	19
	1927	9	.....	1	.....	3	13	26

Elgin 4b—Aldboro-Dunwich Townline at Campbellton Rd.	1925	37	2	1	.....	7	18	30
	1926	27	1	.....	.....	8	36	58
	1927	16	1	.....	.....	9	26	44
Elgin 5a—Sheddon-Port Stanley Road at Fingal	1925	222	25	12	1	21	281	343
	1926	288	19	19	.....	19	345	477
	1927	218	9	17	.....	11	255	468
Elgin 5b—Talbot Road at Fingal	1925	307	27	18	.....	23	375	471
	1926	297	18	20	.....	21	356	413
	1927	353	16	26	.....	17	412	594
Elgin 6—Glencoe Road at Walker's Bridge	1925	38	1	2	.....	8	49	67
	1926	27	.....	2	.....	13	42	55
	1927	25	.....	1	.....	12	38	56
3–5a—Dutton-Tyrconnell Road at Wallacetown	1925	210	9	8	.....	12	239	738
	1926	189	4	9	.....	8	210	315
	1927	199	8	10	1	11	229	423
3–7a—Belmont Road at New Sarum	1925	117	6	11	.....	8	142	240
	1926	137	5	10	.....	8	160	175
	1927	132	5	9	.....	16	162	284
3–8a—Bayham Road at Provincial Highway No. 3, Lot 107, Malahide Township	1925	93	12	15	.....	15	135	191
	1926	85	13	11	.....	7	116	153
	1927	104	13	14	1	9	141	235
ELGIN COUNTY—FALL:								
Elgin 1a—Port Bruce Road at Copenhagen	1925	54	2	5	.....	12	73	87
	1926	68	1	15	.....	11	95	124
	1927	68	2	9	.....	7	86	140
Elgin 1b—Port Burwell Road at Copenhagen	1925	52	.....	4	.....	17	73	116
	1926	59	.....	9	1	12	81	105
	1927	96	3	14	.....	12	125	259
Elgin 2a—St. Thomas-Port Stanley Road at Union	1925	390	2	61	.....	24	477	611
	1926	452	7	74	.....	20	553	647
	1927	576	14	85	.....	20	695	1,223
Elgin 2b—Sparta Road at Union	1925	197	1	37	.....	18	253	331
	1926	202	2	36	.....	22	262	308
	1927	253	4	43	.....	22	322	480
Elgin 3a—Dutton-West Lorne Road at Lots 6 and 7, Dunwich Township	1925	71	1	13	.....	7	92	145
	1926	134	1	13	.....	10	158	184
	1927	135	2	12	.....	5	154	203
Elgin 3b—Campbellton Road at Lots 6 and 7, Dunwich Township	1925	14	.....	2	.....	5	21	44
	1926	11	.....	1	.....	5	17	23
	1927	18	1	1	.....	3	23	35

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Elgin 4a—Campbellton Road at Dunwich Townline	1925	6	.....	1	.....	3	10	18
	1926	7	.....	.....	.....	3	10	15
	1927	15	.....	1	.....	4	20	32
Elgin 4b—Aldborough-Dunwich Townline at Campbellton Road	1925	8	.....	1	.....	9	18	30
	1926	10	.....	1	.....	4	15	18
	1927	32	.....	1	.....	9	42	58
Elgin 5a—Shedden-Port Stanley Road at Fingal	1925	Not taken						
	1926	314	6	42	.....	65	427	494
	1927	185	2	14	.....	16	217	398
Elgin 5b—Talbot Road at Fingal	1925	Not taken						
	1926	529	9	54	.....	71	663	785
	1927	321	2	25	.....	35	383	424
Elgin 6—Glencoe Road at Walker's Bridge	1925	20	.....	3	.....	9	32	44
	1926	13	.....	5	1	4	23	29
	1927	29	.....	3	.....	6	38	55
3-5a—Dutton-Tyrconnell Road at Wallacetown	1925	82	1	10	.....	21	114	162
	1926	126	5	10	.....	19	160	186
	1927	135	2	9	1	15	162	222
3-7a—Belmont Road at New Sarum	1925	67	1	8	.....	8	84	122
	1926	92	2	6	.....	7	107	128
	1927	625	17	37	7	10	696	1,069
3-8a—Bayham Road at Provincial Highway No. 3, Lot 107, Malahide Township	1925	49	2	7	.....	11	69	88
	1926	77	1	16	.....	11	105	150
	1927	105	3	15	.....	13	136	267
ESSEX COUNTY—SUMMER:								
Essex 1a—Tecumseh Road at Stoney Point	1925	390	67	24	.....	63	454	998
	1926	344	29	33	.....	43	449	767
	1927	480	74	25	.....	38	617	1,326
Essex 1b—Comber Road at Stoney Point	1925	192	33	6	.....	39	270	336
	1926	214	18	18	.....	31	281	548
	1927	235	21	12	.....	21	289	617
Essex 2a—Cottam Road at junction of 9th Con. Road and Leamington-Staples Road	1925	80	5	14	.....	11	110	245
	1926	113	10	17	.....	5	145	219
	1927	129	15	13	.....	3	160	228

Essex 2b—Ninth Concession Road, easterly at Leamington-Staples Road	1925	39	4	7	.....	12	62	93
	1926	54	5	13	1	10	83	135
	1927	102	22	13	.....	9	146	184
Essex 2c—Leamington-Staples Road at junction of Cottam Road and 9th Con. Road	1925	212	10	35	.....	62	319	549
	1926	276	7	35	.....	18	336	556
	1927	391	46	32	.....	19	488	867
Essex 3a—Townline between Colchester North and Malden Townships, at junction of Pike Road	1925	235	91	24	4	39	393	877
	1926	208	100	35	5	22	370	493
	1927	348	155	48	5	17	573	1,328
Essex 3b—Pike Road at junction of Townline between Colchester North and Malden Townships	1925	97	30	11	.....	38	175	377
	1926	136	49	25	1	17	228	331
	1927	168	39	19	1	16	243	545
Essex 4a—Tecumseh Road at junction of Pilette Road	1926	1,821	202	322	27	52	2,424	3,030
	1927	2,188	262	338	41	38	2,867	4,067
Essex 4b—Pilette Road Southerly from Tecumseh Road	1926	524	39	111	24	18	716	955
	1927	238	6	36	.....	17	298	381
Essex 5a—River Road at Townline between Anderdon and Sandwich West Townships	1926	626	256	68	.....	9	959	1,722
	1927	656	298	71	42	52	1,119	2,322
Essex 5b—Townline between Anderdon and Sandwich West Townships, at junction of River Road	1926	204	12	34	.....	19	269	367
	1927	278	55	44	17	17	411	839
Essex 6a—Staples-Leamington Road at Staples	1926	156	6	18	4	13	197	339
	1927	270	48	24	2	8	352	723
Essex 6b—Townline Road between Tilbury West and Mersea Townships, at Staples	1926	99	3	8	2	15	127	173
	1927	163	9	14	3	16	205	341
Essex 7a—Anderdon-Malden Townline at junction of Anderdon-Colchester Townline	1927	43	3	5	.....	3	54	104
Essex 7b—Anderdon-Colchester Townline at junction of Anderdon-Malden Townline	1927	366	144	51	5	18	584	1,312
2–1a—Howard Avenue at Provincial Highway No. 2	1925	851	465	143	16	14	1,489	3,270
	1926	1,970	275	519	149	48	2,961	3,958
	1927	1,483	724	228	23	15	2,473	3,409
2–3a—Belle River-Cottam Road at Woodslee	1925	254	22	124	.....	26	426	610
	1926	221	16	40	.....	37	314	394
	1927	315	38	48	.....	31	432	586
3–2a—Division Road at junction of Highway No. 3, North of Cottam	1925	Under construction.						
	1926	441	241	40	8	5	725	1,084
	1927	641	311	54	.....	3	1,012	2,327

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
ESSEX COUNTY—FALL:								
Essex 1a—Tecumseh Road at Stoney Point	1925	134	.....	8	.....	43	185	253
	1926	179	.....	7	.....	41	227	316
	1927	388	40	32	.....	59	519	862
Essex 1b—Comber Road at Stoney Point	1925	110	.....	5	.....	31	146	213
	1926	126	.....	6	.....	27	159	223
	1927	223	10	19	.....	36	288	552
Essex 2a—Cottam Road at junction of 9th Concession Road and Leamington-Staples Road	1925	160	19	35	1	9	224	402
	1926	82	1	11	.....	4	98	140
	1927	88	2	8	.....	4	102	174
Essex 2b—Ninth Concession Road, Easterly at Leamington-Staples Road	1925	54	5	13	1	10	83	133
	1926	34	1	5	.....	9	49	86
	1927	69	2	7	.....	15	93	137
Essex 2c—Leamington-Staples Road at junction of Cottam Road and 9th Concession Road	1925	238	19	28	1	23	309	559
	1926	216	2	28	.....	25	271	385
	1927	266	4	42	.....	46	358	460
Essex 3a—Townline between Colchester North and Malden Townships, at junction of Pike Road	1925	102	3	17	5	13	140	205
	1926	133	26	22	4	37	222	313
	1927	245	41	42	5	13	346	762
Essex 3b—Pike Road at junction of Townline Road between Colchester North and Malden Townships	1925	68	4	12	.....	14	98	141
	1926	100	26	13	1	21	161	308
	1927	150	12	15	1	12	190	314
Essex 4a—Tecumseh Road at junction of Pilette Road	1926	1,589	84	360	52	49	2,134	2,794
	1927	1,771	156	414	42	29	2,412	3,472
Essex 4b—Pilette Road Southerly from Tecumseh Road	1926	141	1	31	.....	16	189	243
	1927	203	4	48	.....	15	270	330
Essex 5a—River Road at Townline between Anderdon and Sandwich West Townships	1926	463	73	59	.....	9	604	1,323
	1927	557	144	84	.....	9	794	1,967

Essex 5b—Anderdon and Sandwich West Townline at junction of River Road	1926	170	4	27	.....	33	234	367
	1927	211	10	61	.....	17	299	543
Essex 6a—Staples-Leamington Road at Staples	1926	143	2	22	1	27	195	228
	1927	187	5	31	1	33	257	335
Essex 6b—Townline Road between Tilbury West and Mersea Townships, at Staples	1926	126	2	13	2	28	171	217
	1927	234	6	34	1	51	326	405
Essex 7a—Anderdon-Malden Townline at junction of Anderdon-Colchester Townline	1927	45	3	7	.....	4	59	145
Essex 7b—Anderdon-Colchester Townline at junction of Anderdon-Malden Townline	1927	277	50	48	5	22	402	860
2-1a—Howard Avenue at Provincial Highway No. 2	1925	1,143	50	200	50	58	1,501	2,011
	1926	1,513	31	345	161	40	2,090	2,751
	1927	840	348	147	6	7	1,348	2,571
2-3a—Belle River-Cottam Road at Woodslee	1925	Under construction.						
	1926	250	8	51	11	39	359	435
	1927	280	29	57	.....	48	414	528
3-2a—Division Road North of Cottam at Provincial Highway No. 3	1925	26	1	5	.....	4	36	50
	1926	290	47	41	8	4	390	632
	1927	378	90	48	1	8	525	972
FRONTENAC COUNTY—SUMMER								
Frontenac 1a—Kingston Mills Road at Tuttle's Hill	1925	162	22	9	3	12	208	429
	1926	162	9	12	3	9	195	387
	1927	185	11	10	3	5	214	412
Frontenac 1b—Storrington Road at Tuttle's Hill	1925	219	30	47	2	22	320	373
	1926	185	19	38	2	13	257	328
	1927	199	25	51	2	18	295	367
Frontenac 2a—Harrowsmith-Yarker Road at Shibley's	1925	143	8	16	.....	18	185	234
	1926	129	9	14	2	17	171	217
	1297	35	4	3	.....	3	45	85
Frontenac 2b—Portland Road at Shibley's	1925	107	6	10	.....	5	128	184
	1926	93	7	9	2	6	117	142
	1927	109	17	12	2	6	146	202
Frontenac 3a—Bath Road at road leading to Westbrook	1925	328	39	15	5	22	409	591
	1926	305	22	24	3	9	363	673
	1927	327	29	22	6	13	397	639
Frontenac 3b—Road leading to Westbrook at Bath Road	1925	164	15	9	.....	17	205	281
	1926	103	7	47	.....	11	168	238
	1927	163	14	15	1	9	202	268
2-28a—Portland Road at Cataraqui Corner	1925	462	24	26	3	38	553	749
	1926	363	25	29	3	35	455	717
	1927	361	35	52	3	44	495	648

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
FRONTENAC COUNTY—FALL								
Frontenac 1a—Kingston Mills Road at Tuttle's Hill	1925	64	1	7	2	9	83	122
	1926	67	3	5	2	10	87	124
	1927	124	2	7	2	7	142	381
Frontenac 1b—Storrington Road at Tuttle's Hill	1925	113	1	49	2	22	187	261
	1926	132	1	17	2	26	178	286
	1927	181	2	65	1	19	268	409
Frontenac 2a—Harrowsmith-Yarker Road at Shibley's	1925	84	2	9	.....	19	114	173
	1926	93	1	12	2	18	126	153
	1927	71	1	9	.....	6	87	140
Frontenac 2b—Portland Road at Shibley's	1925	57	1	4	.....	7	69	119
	1926	65	1	6	1	5	78	108
	1927	86	1	12	.....	7	106	151
Frontenac 3a—Bath Road at road leading to Westbrook	1925	119	4	14	2	13	152	206
	1926	139	3	15	2	10	169	224
	1927	317	14	34	9	17	391	607
Frontenac 3b—Road leading to Westbrook at Bath Road	1925	73	2	12	.....	12	99	133
	1926	198	6	30	1	6	241	343
	1927	221	11	23	4	14	273	367
2–28a—Portland Road at Cataraqui Corner	1925	221	1	14	2	43	281	432
	1926	190	1	28	3	40	262	416
	1927	351	6	48	5	42	452	671
GLENGARRY COUNTY—SUMMER								
Glengarry 1a—Vankleek Hill Road at McCrimmon	1927	84	12	8	.....	58	162	181
Glengarry 1b—Road West from McCrimmon	1927	21	1	.....	.....	49	71	109
Glengarry 1c—Road North and South from McCrimmon	1927	85	12	9	.....	70	176	199
2–35a—Alexandria Road at Lancaster	1925	247	97	51	.....	105	500	627
	1926	286	119	37	3	105	550	641
	1927	215	86	30	2	41	374	462
GLENGARRY COUNTY—FALL								
Glengarry 1a—Vankleek Hill Road at McCrimmon	1927	98	12	12	.....	59	181	267
Glengarry 1b—Road West from McCrimmon	1927	27	.....	1	.....	51	79	109
Glengarry 1c—Road North and South from McCrimmon	1927	102	13	12	.....	58	185	230
2–35a—Alexandria Road at Lancaster	1925	167	27	25	.....	96	315	451
	1926	131	18	19	2	71	241	310
	1927	175	34	29	1	41	280	350

GREY COUNTY—SUMMER								
Grey 1a—Seventh Concession Road at junction of Rocklyn-Goring Road	1927	96	.....	7	.....	23	126	174
Grey 1b—Rocklyn-Goring Road at 7th Concession Road	1927	66	.....	4	.....	13	83	106
Grey 2a—Ninth Concession Road at Oxmead	1927	82	1	5	.....	14	102	118
Grey 2b—Fifteenth Sideroad, St. Vincent Twp. at Oxmead	1927	65	1	5	.....	20	91	126
10-5a—Durham-Singhampton Road at Flesherton	1925	566	15	32	10	93	716	879
	1926	689	14	56	12	73	844	965
	1927	Under construction.						
GREY COUNTY—FALL								
Grey 1a—Seventh Concession Road at Rocklyn-Goring Rd.	1927	138	.....	10	.....	35	183	583
Grey 1b—Rocklyn-Goring Road at 7th Concession Road	1927	73	.....	7	.....	35	115	421
10-5a—Durham-Singhampton Road at Flesherton	1925	247	.....	25	9	92	373	401
	1926	Under construction.						
	1927	Under construction.						
HALDIMAND COUNTY—SUMMER								
Haldimand 1a—Indian Line at junction of Road to Springvale	1927	111	6	15	.....	32	164	250
Haldimand 1b—Road to Springvale at junction of Indian Line	1927	103	5	14	.....	16	138	206
Haldimand 2a—Cheapside Road at Selkirk-Nanticoke Road	1925	115	4	11	.....	20	150	175
	1926	297	8	19	1	14	339	525
	1927	263	18	9	.....	19	309	765
Haldimand 2b—Selkirk-Nanticoke Road at junction of Cheapside Road	1925	115	4	11	.....	20	150	175
	1926	142	5	15	.....	18	180	237
	1927	93	5	8	.....	18	124	211
3-12a—Hagersville-Bainham Road at Nelles Corners	1925	239	15	28	.....	17	229	460
	1926	229	19	49	1	12	310	389
	1927	268	18	31	.....	10	327	461
3-13a—Canboro Road at Canboro Corners	1925	144	17	21	.....	26	208	222
	1926	142	10	15	.....	16	183	267
	1927	127	9	9	.....	9	154	240
HALDIMAND COUNTY—FALL								
Haldimand 1a—Indian Line at junction of Road to Springvale	1927	126	2	18	.....	32	178	221
Haldimand 1b—Road to Springvale at junction of Indian Line	1927	98	2	15	.....	9	124	139
Haldimand 2a—Cheapside Road at Selkirk-Nanticoke Road	1925	24	.....	2	.....	27	53	83
	1926	64	1	6	.....	27	98	130
	1927	114	1	7	.....	14	136	230
Haldimand 2b—Selkirk-Nanticoke Road at Cheapside Road	1925	24	.....	2	.....	27	53	83
	1926	27	.....	4	.....	34	65	94
	1927	74	1	7	.....	17	99	169
3-12a—Hagersville-Bainham Road at Nelles Corners	1925	204	2	29	.....	21	256	301
	1926	204	2	41	.....	23	270	342
	1927	268	8	80	.....	22	378	405

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
3–13a—Canboro Road at Canboro Corners	1925	68	1	10	.....	33	112	202
	1926	50	3	6	.....	25	84	125
	1927	170	11	17	.....	32	230	356
HALTON COUNTY—SUMMER:								
Halton 1a—Middle Road at Merton	1925	91	1	27	.....	7	126	168
	1926	104	.....	33	.....	4	141	182
	1927	103	4	18	.....	6	131	186
Halton 1b—Bronte Sideroad at Merton	1925	301	10	44	.....	10	365	619
	1926	369	14	45	.....	10	438	725
	1927	356	25	39	.....	8	428	792
2–15a—Guelph Line Road at Toronto-Hamilton Highway	1925	171	6	50	.....	7	234	269
	1926	212	4	46	.....	4	266	356
	1927	198	7	40	.....	1	246	356
5–3a—County Road at Trafalgar, North and South	1925	445	14	60	.....	15	534	898
	1926	484	13	52	1	12	562	811
	1927	552	10	73	.....	6	642	1,132
5–4a—Brant Street at junction of Dundas and Brant Streets	1925	264	21	19	.....	8	312	507
	1926	269	19	34	.....	6	328	542
	1927	270	36	24	.....	5	335	577
25–1a—Boyne-Drumquin Road at Boyne	1925	82	.....	5	.....	4	91	130
	1926	137	2	6	.....	5	150	193
	1927	109	.....	9	.....	7	125	174
HALTON COUNTY—FALL:								
Halton 1a—Middle Road at Merton	1925	61	.....	24	.....	7	92	128
	1926	104	.....	33	.....	4	141	182
	1927	106	.....	19	.....	18	143	269
Halton 1b—Bronte Sideroad at Merton	1925	155	1	39	.....	14	209	258
	1926	181	3	43	.....	15	242	387
	1927	302	9	41	.....	18	370	850
2–15a—Guelph Line Road at Toronto-Hamilton Highway	1925	155	.....	50	.....	6	211	271
	1926	159	1	66	.....	10	236	288
	1927	231	1	63	1	3	299	347
5–3a—County Road at Trafalgar, North and South	1925	314	1	38	.....	13	366	523
	1926	366	3	70	.....	19	458	616

	1927	493	3	79	.....	6	581	1,206
5-4a—Brant Street at junction of Dundas Street	1925	112	2	24	.....	10	148	182
	1926	124	3	19	.....	17	163	253
	1927	200	10	26	.....	4	240	459
25-1a—Boyne-Drumquin Road at Boyne	1925	115	.....	14	.....	41	170	235
	1926	108	.....	10	.....	18	136	157
	1927	114	1	8	.....	6	129	204
HASTINGS COUNTY—SUMMER								
Hastings 1a—Hastings Road at Foxboro	1925	249	14	17	.....	22	302	416
	1926	214	10	21	1	20	266	486
	1927	242	17	23	.....	16	298	482
Hastings 1b—Stirling Road at Foxboro	1925	217	22	14	.....	18	261	387
	1926	238	12	18	.....	27	295	394
	1927	272	13	20	2	15	322	471
Hastings 2—Maynooth Road at Bannockburn	1925	103	4	22	.....	20	149	197
	1926	148	11	12	1	22	194	243
	1927	137	11	19	.....	13	180	225
Hastings 3a—Frankford-Foxboro Road at junction of County Road No. 5	1925	106	12	10	.....	25	153	178
	1926	62	1	3	1	21	88	131
	1927	66	.....	3	1	14	84	111
Hastings 3b—County Road No. 5 at junction of Frankford-Foxboro Road	1925	Not taken.						
	1926	57	1	2	1	12	73	123
	1927	52	.....	2	2	11	67	97
Hastings 4a—Frankford-Trenton Road at Frankford	1927	527	18	88	4	86	723	815
Hastings 4b—Frankford-Wallbridge Road at Frankford	1927	410	15	75	2	71	573	683
Hastings 5a—County Road No. 3, at Marmora	1927	391	9	13	2	18	433	480
Hastings 5b—County Road No. 10, at Marmora	1927	293	8	24	4	26	355	400
Hastings 6a—County Road No. 1, at Crookston Corners	1927	362	18	22	.....	44	446	679
Hastings 6b—County Road No. 9, at Crookston Corners	1927	99	2	4	.....	27	132	167
HASTINGS COUNTY—FALL								
Hastings 1a—Hastings Road at Foxboro	1925	143	1	14	.....	15	173	248
	1926	139	.....	13	.....	18	170	267
	1927	215	2	21	.....	16	254	410
Hastings 1b—Stirling Road at Foxboro	1925	126	2	14	.....	14	156	213
	1926	144	1	13	2	19	179	245
	1927	222	2	16	2	18	260	350
Hastings 2—Maynooth Road at Bannockburn	1925	51	.....	14	.....	15	80	105
	1927	75	.....	9	.....	18	102	142
	1927	119	1	22	.....	11	153	203

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontatio	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Hastings 3a—Frankford-Foxboro Road at junction of County Road No. 5	1925	36	.....	9	.....	23	68	98
	1926	39	.....	1	.....	18	58	82
	1927	56	.....	2	2	17	77	128
Hastings 3b—County Road No. 5, at junction of Frankford-Foxboro Road	1925	39	1	5	2	16	63	93
	1926	27	.....	2	1	12	42	77
	1927	49	.....	5	2	13	69	112
Hastings 42—Frankford-Trenton Road at Frankford	1927	393	4	79	4	117	597	752
Hastings 4b—Frankford-Wallbridge Road at Frankford	1927	319	2	59	3	108	491	570
Hastings 5a—County Road No. 3, at Marmora	1927	691	8	55	8	105	867	988
Hastings 5b—County Road No. 10, at Marmora	1927	634	14	60	7	102	817	1,145
Hastings 6a—County Road No. 1, at Crookston Corners	1927	307	1	17	5	38	368	512
Hastings 6b—County Road No. 9, at Crookston Corners	1927	99	.....	5	3	21	128	201
HURON COUNTY—SUMMER:								
Huron 2a—Goderich Road at Amberley	1925	218	35	9	.....	18	280	434
	1926	248	68	12	1	31	360	496
	1927	273	71	13	.....	12	369	457
Huron 2b—Lucknow Road at Amberley	1925	167	26	8	.....	16	217	292
	1926	189	49	9	.....	25	272	350
	1927	223	43	9	.....	13	288	320
Huron 3a—Wingham-Listowel Road at Brussels-Wroxeter Road	1925	101	2	5	.....	9	117	259
	1926	169	9	12	1	18	209	256
	1927	119	2	5	.....	7	133	291
Huron 3b—Brussels-Wroxeter Road at Wingham-Listowel Road	1925	98	4	6	.....	12	120	206
	1926	196	12	16	1	23	248	335
	1927	98	1	5	.....	6	110	159
Huron 4a—Winchelsea-Berryland Road at Kirkton	1925	161	2	18	1	49	231	279
	1926	142	2	24	2	52	222	254
	1927	181	7	33	.....	47	268	366

Huron 4b—Russeldale-Elginfield Road at Kirkton	1925	263	11	18	3	71	366	519
	1926	242	7	30	2	65	346	441
	1927	258	14	41	.....	55	368	417
Huron 5a—Hensall Road at Zurich	1925	Under construction.						
	1926	509	9	34	2	99	653	786
	1927	536	11	38	3	59	647	729
Huron 5b—Zurich-Bayfield Road at Zurich	1925	Under construction.						
	1926	416	8	21	1	64	509	563
	1927	344	6	23	2	38	413	443
Huron 6—Bluewater Highway near Brewster	1926	466	135	23	4	16	644	1,336
	1927	397	153	32	2	12	596	1,423
Huron 6a—County Road No. 7 at junction of Bluewater Highway	1926	244	32	16	2	5	229	648
	1927	240	51	22	3	9	325	761
4–5a—Bayfield-Seaforth Road at Brucefield	1925	227	12	16	.....	33	288	495
	1926	428	17	33	.....	37	515	792
	1927	385	28	29	1	40	481	731
8–10a—Lucknow Road South of Goderich at Con. A, Lot 9, Goderich Township	1925	69	6	4	.....	11	90	164
	1926	Not taken.						
	1927	58	11	1	.....	14	84	202
Huron County—Fall:								
Huron 2a—Goderich Road at Amberley	1925	91	1	7	.....	26	125	151
	1926	139	11	7	.....	27	184	228
	1927	234	14	17	.....	21	286	353
Huron 2b—Lucknow Road at Amberley	1925	72	1	6	.....	18	97	119
	1926	116	10	8	.....	25	159	188
	1927	165	8	15	.....	20	208	255
Huron 3a—Wingham-Listowel Road at Brussels-Wroxeter Road	1925	40	.....	2	.....	13	55	75
	1926	75	1	4	.....	11	91	149
	1927	91	.....	7	.....	5	103	175
Huron 3b—Brussels-Wroxeter Road at Wingham-Listowel Road	1925	50	.....	3	.....	13	66	101
	1926	96	1	5	.....	13	115	178
	1927	109	.....	7	.....	6	122	212
Huron 4a—Wincheslea-Berryland Road at Kirkton	1925	98	.....	18	4	74	194	324
	1926	150	.....	25	2	70	247	325
	1927	179	1	38	4	51	273	302
Huron 4b—Russelldale-Elginfield Road at Kirkton	1925	156	.....	19	6	79	260	432
	1926	211	.....	27	2	75	315	408
	1927	246	5	42	7	49	349	416
Huron 5a—Hensall Road at Zurich	1925	138	1	24	3	76	242	337
	1926	430	5	50	3	124	612	741
	1927	462	5	45	3	70	585	772

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Huron 5b—Zurich-Bayfield Road at Zurich	1925	196	1	15	3	80	295	410
	1926	360	5	25	3	73	466	578
	1927	355	4	27	3	49	438	641
Huron 6—Bluewater Highway near Brewster	1926	103	17	12	2	14	148	217
	1927	163	38	18	1	13	150	197
Huron 6a—County Road No. 7 at junction of Bluewater Highway	1926	61	6	10	3	12	92	114
	1927	98	24	14	1	13	150	197
4-5a—Bayfield-Seaforth Road at Brucefield	1925	134	.....	11	.....	39	184	256
	1926	176	4	28	.....	47	255	280
	1927	269	5	29	.....	43	346	427
8-10a—Lucknow Road South of Goderich at Con. A, Lot 9, Goderich Township	1926	32	.....	3	.....	18	53	72
	1927	140	9	.....	.....	26	175	543
KENT COUNTY—SUMMER:								
Kent 1a—Chatham-Wallaceburg Road at Cons. X and X1, Chatham Township	1925	120	10	13	.....	21	164	217
	1926	243	23	31	8	11	316	408
	1927	389	37	58	14	24	522	886
Kent 1b—Mitchell Bay Road at junction of Chatham-Wallaceburg Road	1925	37	2	3	.....	24	66	73
	1926	14	.....	1	.....	2	17	24
	1927	92	1	18	.....	19	130	193
Kent 2a—Kent Bridge-Harwich Road at junction of Northwood-Chatham Road	1925	231	41	20	4	60	356	741
	1926	167	11	16	.....	25	219	282
	1927	154	4	7	.....	13	178	258
Kent 2b—Northwood-Chatham Road at junction of Kent Bridge Road	1925	291	56	21	4	27	399	537
	1926	86	7	11	.....	18	122	183
	1927	78	.....	3	.....	7	88	121
Kent 3a—Port Lambton Road at junction of Wallaceburg-Walpole Island Road	1925	210	52	19	.....	14	295	423
	1926	102	23	11	4	5	145	238
	1927	181	33	14	.....	8	236	565

Kent 3b—Wallaceburg-Walpole Island Road at junction of Port Lambton Road	1925	107	13	11	.....	17	148	197
	1926	73	8	9	1	15	106	180
	1927	231	29	20	.....	17	297	715
Kent 4a—Merlin-Tilbury Road at Merlin	1927	657	50	129	.....	60	896	1,095
Kent 4b—Townline Road between Tilbury East and Raleigh Townships	1927	577	15	166	.....	77	835	1,094
2–5a—Tupperville Road East of Chatham	1925	158	13	21	.....	5	197	262
	1926	121	2	25	.....	2	150	196
	1927	153	10	25	.....	5	193	236
3–3a—Chatham Road at Cedar Springs	1925	574	327	56	2	17	976	1,923
	1926	726	254	65	1	35	1,081	1,312
	1927	733	72	63	.....	30	898	1,326
21–2a—Ridgetown-Highgate Road at Provincial Highway No. 21	1925	394	28	23	.....	28	473	699
	1926	422	52	35	.....	22	531	671
	1927	476	68	27	1	15	587	793
21–3a—Townline Road between Camden and Chatham Twps., at junction of Dresden-Thamesville Road	1927	101	3	7	.....	15	126	220
KENT COUNTY—FALL:								
Kent 1a—Chatham-Wallaceburg Road at Cons. X and XI, Chatham Township	1925	160	2	20	.....	44	226	304
	1926	334	16	54	15	54	473	618
	1927	348	18	114	12	54	546	737
Kent 1b—Mitchell Bay Road at junction of Chatham-Wallaceburg Road	1925	7	.....	.....	.....	11	18	35
	1926	9	.....	1	.....	34	44	87
	1927	90	2	83	.....	76	251	370
Kent 2a—Kent Bridge-Harwich Road at junction of Northwood-Chatham Road	1925	321	43	28	3	31	426	640
	1926	95	3	5	.....	24	127	153
	1927	122	3	6	.....	17	148	179
Kent 2b—Northwood-Chatham Road at junction of Kent Bridge Road	1925	225	37	19	3	20	304	476
	1926	42	1	2	.....	15	60	81
	1927	59	2	2	.....	13	76	102
Kent 3a—Port Lambton Road at junction of Wallaceburg-Walpole Island Road	1925	Not taken.						
	1926	14	21	3	.....	12	30	66
	1927	177	14	11	.....	11	213	392
Kent 3b—Wallaceburg-Walpole Island Road at junction of Port Lambton Road	1925	12	.....	2	.....	13	27	61
	1926	25	1	5	.....	13	44	59
	1927	251	17	18	.....	23	309	484

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Kent 4a—Merlin-Tilbury Road at Merlin	1927	662	10	104	.....	108	884	1,142
Kent 4b—Townline Road between Tilbury East and Raleigh Townships	1927	553	4	102	.....	118	777	1,064
2–5a—Tupperville Road East of Chatham	1925	76	.....	9	.....	11	96	146
	1926	104	10	12	.....	14	140	261
	1927	174	14	75	.....	3	266	340
3–3a—Chatham Road at Cedar Springs	1925	150	8	36	.....	24	218	270
	1926	336	39	61	.....	35	471	574
	1927	480	31	84	1	49	645	868
21–2a—Ridgetown-Highgate Road at Provincial Highway No. 21	1925	76	.....	5	.....	18	99	136
	1926	416	7	36	.....	25	484	707
	1927	787	30	43	3	32	895	1,481
21–3a—Townline Road between Camden and Chatham Twps. at junction of Dresden-Thamesville Road	1926	47	2	2	.....	30	81	107
	1927	63	2	4	.....	17	86	129
LAMBTON COUNTY—SUMMER:								
Lambton 1a—Road between Cons. 10 and 11, Plymton Township, East to Townline at Aberarder	1925	136	94	12	4	8	254	349
	1926	133	97	6	4	9	249	332
	1927	121	92	9	3	17	242	407
Lambton 1b—Road between Lots 18 and 19, Plymton Township, at Aberarder, traffic North	1926	37	7	3	.....	9	56	83
	1927	82	13	5	.....	27	127	197
Lambton 2a—Port Lambton Road, East of Becher, at intersection of Wallaceburg Road	1925	49	17	7	.....	6	79	144
	1926	33	12	5	.....	6	56	99
	1927	98	17	18	.....	13	146	197
Lambton 2b—Wilkesport Road, East of Becher, at intersection of Wallaceburg Road	1925	39	2	5	.....	13	59	74
	1926	32	.....	4	.....	8	44	59
	1927	107	5	14	.....	16	142	206

Lambton 2c—Florence Road, East of Becher, at intersection of Wallaceburg Road	1925	21	.....	1	.....	6	28	48
	1926	12	1	1	.....	3	17	31
	1927	40	2	3	.....	8	53	72
Lambton 2d—Wallaceburg Road, East of Becher, at intersection of Port Lambton Road	1925	78	13	6	.....	13	110	162
	1926	66	9	6	.....	11	92	145
	1927	174	19	24	.....	16	233	318
Lambton 3a—Alvinston-Oil City Road at intersection of Inwood-Shetland Road	1925	87	4	7	.....	20	118	162
	1926	148	7	11	.....	24	190	255
	1927	153	5	15	.....	23	196	255
Lambton 3b—Inwood-Shetland Road at intersection of Alvinston-Oil City Road	1925	183	6	17	.....	36	242	310
	1926	261	14	20	.....	42	337	458
	1927	221	7	18	.....	32	278	315
Lambton 4a—River Road at Port Lambton	1925	301	177	20	1	23	522	888
	1926	189	101	22	3	16	331	417
	1927	373	161	37	.....	23	594	1,356
Lambton 4b—Florence Road at Port Lambton	1925	113	50	10	.....	13	186	389
	1926	126	51	14	.....	9	200	257
	1927	131	49	15	.....	9	204	425
Lambton 5—St. Clair River Road at Froomfield	1927	445	102	38	8	13	606	946
Lambton 6—St. Clair River Road at Lot 1, Front Concession, Moore Township	1927	267	73	25	.....	8	373	757
7-2a—North and South traffic at 24th Sideroad West of Wisbeach	1925	116	459	7	1	10	593	890
	1926	187	711	8	2	4	912	1,240
	1927	194	344	20	2	7	567	869
LAMBTON COUNTY—FALL:								
Lambton 1a—Road between Cons. 10 and 11, Plymton Township, at Aberarder	1925	55	5	5	2	6	73	99
	1926	58	9	5	2	6	80	101
	1927	46	5	4	.....	5	60	142
Lambton 1b—Road between Lots 18 and 19, Plymton Township, at Aberarder, traffic North	1925	28	2	3	.....	3	36	60
	1926	25	3	4	1	5	38	46
	1927	48	.....	7	3	5	63	85
Lambton 2a—Port Lambton Road, East of Becher, at intersection of Wallaceburg Road	1925	44	3	4	.....	11	62	92
	1926	69	5	11	1	7	93	111
	1927	45	4	5	.....	9	63	83

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Lambton 2b—Wilkesport Road, East of Becher, at intersection of Wallaceburg Road	1925	7	.....	1	.....	13	21	30
	1926	22	1	3	.....	13	39	55
	1927	60	1	6	.....	11	78	128
Lambton 2c—Florence Road, East of Becher, at intersection of Wallaceburg Road	1925	8	.....	.....	.....	10	18	39
	1926	13	1	1	.....	8	23	37
	1927	23	1	2	.....	8	34	43
Lambton 2d—Wallaceburg Road, East of Becher, at intersection of Port Lambton Road	1925	40	7	5	.....	20	72	81
	1926	94	7	8	1	21	131	202
	1927	79	7	12	.....	13	111	203
Lambton 3a—Alvinston-Oil City Road at intersection of Inwood-Shetland Road	1925	33	.....	5	.....	11	49	59
	1926	119	3	15	.....	28	165	209
	1927	158	2	16	.....	45	221	298
Lambton 3b—Inwood-Shetland Road at intersection of Alvinston-Oil City Road	1925	158	2	19	.....	54	233	270
	1926	175	4	19	.....	59	257	389
	1927	225	3	18	.....	56	302	363
Lambton 4a—River Road at Port Lambton	1925	71	5	8	.....	12	96	134
	1926	129	20	18	.....	31	198	247
	1927	137	29	16	.....	7	189	353
Lambton 4b—Florence Road at Port Lambton	1925	85	13	10	.....	8	117	208
	1926	130	20	14	1	21	186	245
	1927	114	21	13	.....	7	155	264
Lambton 5—St. Clair River Road at Froomfield	1927	269	24	27	7	11	338	580
Lambton 6—St. Clair River Road at Lot 1, Front Concession, Moore Township	1927	192	21	31	.....	9	253	443
7–2a—North and South traffic at 24th Sideroad, West of Wisbeach	1925	64	79	7	1	5	156	225
	1926	71	109	8	.....	4	192	286
	1927	157	84	15	2	4	262	498

LANARK COUNTY—SUMMER:								
Lanark 1a—Townline Road to Ashton Station, at junction of West Huntley Road	1925	6	.....	.....	.....	11	17	28
	1926	6	.....	.....	.....	11	17	24
	1927	4	.....	.....	.....	17	21	39
Lanark 1b—West Huntley Road at Townline Road	1925	27	.....	1	.....	9	37	67
	1926	14	.....	.....	.....	9	23	28
	1927	7	.....	1	.....	13	21	35
Lanark 2—Calabogie Road at White	1926	21	2	1	.....	9	34	53
	1927	32	2	2	.....	7	43	47
Lanark 3a—Almonte-Carp Road at Almonte-West Huntley Road	1926	369	4	13	.....	321	707	1,124
	1927	79	4	6	.....	41	130	166
Lanark 3b—Almonte-West Huntley Road at Almonte-Carp Road	1926	45	.....	3	.....	23	71	95
	1927	49	1	3	.....	21	74	101
Lanark 4a—West Port Road at Darcyville Road	1926	35	.....	4	.....	11	50	135
	1927	23	1	.....	.....	10	34	46
Lanark 4b—Darcyville Road at West Port Road	1926	54	2	.....	.....	15	71	120
	1927	48	1	1	.....	13	63	80
Lanark 5a—Franktown-Carleton Place Road at junction of Franktown-Richmond Road	1927	128	12	11	.....	8	159	247
Lanark 5b—Franktown-Richmond Road at junction of Franktown-Carleton Place Road	1927	53	1	4	.....	1	59	126
15–5a—Smith's Falls-Carleton Place Road at Carleton Place	1926	282	10	15	.....	47	354	523
	1927	373	32	19	2	48	474	831
29–3a—County Road at Lots 2 and 3, Con. 9, Township of Ramsay, at junction of Highway No. 29	1927	91	2	11	.....	25	129	164
29–5a—County Road at Highway No. 29, at Pakenham	1927	125	3	6	.....	92	226	249
LANARK COUNTY—FALL:								
Lanark 1a—Townline Road at Ashton Station, at West Huntley Road	1925	4	.....	.....	.....	5	9	20
	1926	4	.....	1	.....	11	16	19
	1927	8	.....	1	.....	12	21	40
Lanark 1b—West Huntley Road at Townline Road	1925	12	.....	.....	.....	7	19	30
	1926	8	.....	2	.....	13	23	32
	1927	10	.....	3	.....	16	29	49
Lanark 2—Calabogie Road at White	1926	25	3	2	.....	7	37	42
	1927	16	3	1	.....	6	26	34
Lanark 3a—Almonte-Carp Road at Almonte-West Huntley Road	1926	39	.....	5	.....	38	82	118
	1927	92	1	6	.....	54	153	223

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Lanark 3b—Almonte-West Huntley Road at Almonte-Carp Road	1926	33	.....	2	.....	30	75	109
	1927	44	.....	3	.....	16	63	98
Lanark 4a—West Port Road at Darcyville Road	1926	10	.....	.....	.....	10	20	26
	1927	23	.....	.....	.....	11	34	39
Lanark 4b—Darcyville Road at West Port Road	1926	26	.....	.....	.....	14	40	64
	1927	29	.....	.....	.....	20	49	75
Lanark 5a—Franktown-Carleton Place Road at Franktown-Richmond Road	1927	164	2	12	.....	6	184	343
Lanark 5b—Franktown-Richmond Road at Franktown-Carleton Place Road	1927	63	.....	3	.....	1	67	161
15–5a—Smith's Falls-Carleton Place Road at Carleton Place	1926	109	1	12	.....	49	171	291
	1927	213	3	22	.....	35	273	376
29–3a—County Road at Lots 2 and 3, Con. 9, Township of Ramsay, at Highway No. 29	1927	90	.....	9	.....	18	117	207
29–5a—County Road at Pakenham, at Highway No. 29	1927	147	2	11	.....	93	253	311
LEEDS COUNTY—SUMMER:								
2–30a—Athens Road at Mallorytown	1925	51	4	9	.....	27	91	115
	1926	55	10	3	.....	32	100	117
	1927	38	18	6	.....	26	88	100
2–31a—Lynn Road, West of Brockville, at Provincial Highway No. 2	1925	92	16	15	1	31	155	179
	1926	94	7	17	1	21	140	172
	1927	103	6	18	.....	16	143	151
15–2a—Gananoque Road at Seeley's Bay	1925	80	17	4	2	12	115	208
	1926	137	23	5	1	11	177	279
	1927	102	34	10	.....	8	154	226
15–3a—Rideau Ferry Road at Lombardy	1925	112	39	6	.....	23	180	267
	1926	148	18	5	.....	28	199	218
	1927	108	17	7	.....	71	203	319
29–1a—Athens Road at Forthon	1925	40	2	10	.....	7	69	88
	1926	92	20	17	.....	8	137	191

	1927	113	28	21	.....	13	175	285
29–2a—Phillipsville Road at Toledo	1925	57	.....	4	.....	54	115	149
	1926	80	.....	7	.....	50	137	204
	1927	157	3	10	1	54	225	432
29–2b—County Road, No. 29, at Toledo	1925	50	2	3	.....	22	77	116
	1926	67	3	3	.....	29	104	148
	1927	139	7	12	4	44	206	299
LEEDS COUNTY—FALL:								
2–30a—Athens Road at Mallorytown moved in Fall 1927 to Rockport Road at Escott	1925	2	.....	.....	.....	2	4	6
	1926	27	1	5	.....	30	63	82
	1927	37	6	27	.....	25	95	133
2–31a—Lynn Road, West of Brockville at Provincial Highway No. 2	1925	138	16	24	4	28	210	393
	1926	63	5	10	1	23	102	141
	1927	98	10	15	1	14	138	211
15–2a—Gananoque Road at Seeley's Bay	1925	31	.....	2	.....	8	41	68
	1926	39	.....	3	.....	13	55	69
	1927	110	3	7	.....	11	131	215
15–3a—Rideau Ferry Road at Lombardy	1925	52	2	3	.....	22	79	115
	1926	83	1	5	.....	25	114	161
	1927	94	1	7	.....	23	125	175
29–1a—Athens Road at Forthon	1925	40	2	10	.....	7	59	88
	1926	55	2	11	.....	6	74	99
	1927	89	2	14	1	8	114	155
29–2a—Phillipsville Road at Toledo	1925	40	.....	4	.....	41	95	138
	1926	44	.....	6	.....	41	91	125
	1927	121	1	11	.....	58	191	250
29–2b—County Road, No. 29, at Toledo	1925	34	.....	4	.....	22	60	101
	1926	64	1	3	1	32	101	135
	1927	91	2	7	.....	39	139	183
LENNOX AND ADDINGTON COUNTY—SUMMER:								
Lennox and Addington 1a—Napanee Road at Adolphustown	1925	49	5	2	.....	15	71	114
	1926	77	4	4	.....	18	103	139
	1927	64	2	6	1	13	86	157
Lennox and Addington 1b—Bath Road at Adolphustown	1925	37	3	2	.....	11	53	92
	1926	85	7	7	.....	22	121	187
	1927	61	3	5	1	13	83	121
Lennox and Addington 2—North and South Road at Stella on Amherst Island	1925	21	1	.....	.....	74	96	110
	1926	31	.....	2	.....	66	99	130
	1927	45	.....	1	.....	75	121	178

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Lennox and Addington 3a—County Road No. 4 at Milsap	1926	43	.....	2	.....	19	64	86
	1927	68	3	2	.....	16	89	140
Lennox and Addington 3b—County Road No. 12 at Milsap	1926	54	2	4	1	7	68	112
	1927	36	3	4	.....	6	49	73
Lennox and Addington 4a—Napanee-Yarker Road at East limits of Village of Camden East.....	1927	105	4	6	1	9	125	182
Lennox and Addington 4b—Road between Lots 25 and 26, Camden Township at East limits of Village of Camden East.....	1927	57	3	8	1	15	84	99
2-27a—Road between Lots 20 and 21, Ernesttown Township at Provincial Highway No. 2.....	1927	43	4	6	1	1	55	69
LENNOX AND ADDINGTON COUNTIES—FALL:								
Lennox and Addington 1a—Napanee Road at Aolphustown	1925	49	.....	7	.....	16	72	140
	1926	52	.....	8	.....	16	76	120
	1927	66	1	8	.....	15	90	142
Lennox and Addington 1b—Bath Road at Adolphustown..	1925	53	.....	11	.....	16	80	126
	1926	54	.....	13	.....	23	90	121
	1927	30	1	3	.....	9	43	49
Lennox and Addington 2—North and South Road at Stella on Amherst Island.....	1925	13	.....	.....	.....	64	77	109
	1926	13	.....	.....	.....	55	68	86
	1927	53	.....	2	.....	71	126	153
Lennox and Addington 3a—County Road No. 4 at Milsap	1926	29	.....	3	.....	15	47	59
	1927	47	.....	1	.....	13	61	85
Lennox and Addington 3b—County Road No. 12 at Milsap	1926	17	.....	3	.....	8	28	46
	1927	34	1	3	.....	6	44	72
Lennox and Addington 4a—Napanee-Yarker Road at East limits of Village of Camden East.....	1927	83	.....	13	1	19	116	178
Lennox and Addington 4b—Road between Lots 25 and 26, Camden Township at East limits of Village of Camden East.....	1927	42	.....	5	.....	16	63	85
2-27a—Road between Lots 20 and 21, Ernesttown Township at Provincial Highway No. 2.....	1927	28	1	5	.....	2	36	47

LINCOLN COUNTY—SUMMER:								
Lincoln 1a—Canboro Road at Wellandport	1926	416	27	28	.....	38	509	683
	1927	429	23	41	.....	43	536	231
Lincoln 1b—Smithville Road at Wellandport	1926	247	15	19	.....	19	300	326
	1927	266	17	27	.....	22	332	737
Lincoln 1c—Forks Road at Wellandport	1926	280	17	19	.....	22	338	837
	1927	302	20	31	.....	27	380	450
Lincoln 2a—Smithville Road at St. Ann's	1925	120	8	13	.....	10	151	605
	1926	221	9	23	.....	20	263	469
	1927	196	8	30	.....	17	251	333
Lincoln 2b—Beamsville Road at St. Ann's	1925	110	4	11	.....	8	133	216
	1926	210	9	24	.....	15	258	360
	1927	207	9	29	.....	9	254	496
Lincoln 2c—Wellandport Road at St. Ann's	1925	189	6	21	1	29	246	384
	1926	251	14	24	.....	21	310	425
	1927	246	13	31	.....	15	305	522
Lincoln 3a—Smithville-Hamilton Road at junction of Smithville-Grimsby Road	1925	See Lincoln 3b. (Lincoln 3a and 3b were combined.)						
	1926	Not taken.						
	1927	298	14	41	.....	39	392	481
Lincoln 3b—Smithville-Grimsby Road at junction of Smithville-Hamilton Road	1925	182	7	25	.....	23	237	293 (Lin. a & b)
	1926	1,040	33	138	.....	188	1,399	1,807
	1927	208	11	30	.....	11	260	343
8-2c—Niagara-on-the-Lake Road at St. David's	1925	370	90	60	.....	22	542	553
	1926	296	101	72	.....	14	483	587
	1927	356	166	56	.....	10	588	1,186
8-3a—County Road at Jordan Corners	1925	244	24	70	.....	24	362	479
	1926	Not taken						
	1927	400	34	96	3	24	557	703
8-4a—Grimsby Park Road at Provincial Highway No. 8	1925	687	110	80	1	43	921	1,543
	1926	897	145	86	.....	31	1,159	2,762
	1927	654	113	77	.....	22	866	1,522
LINCOLN COUNTY—FALL:								
Lincoln 1a—Canboro Road at Wellandport	1925	185	3	18	.....	65	271	362
	1926	227	3	23	.....	69	322	406
	1927	369	6	41	.....	38	454	652
Lincoln 1b—Smithville Road at Wellandport	1925	84	2	9	.....	27	122	157
	1926	141	2	16	.....	28	187	242
	1927	240	5	24	.....	11	280	450
Lincoln 1c—Forks Road at Wellandport	1925	103	3	13	.....	32	151	211
	1926	157	4	18	.....	34	213	270
	1927	272	5	29	.....	19	325	519

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Lincoln 2a—Smithville Road at St. Ann's	1925	104	.....	23	.....	25	152	212
	1926	199	3	32	.....	39	273	379
	1927	209	5	32	.....	21	267	388
Lincoln 2b—Beamsville Road at St. Ann's	1925	92	.....	24	.....	19	135	166
	1926	169	4	34	.....	41	248	381
	1927	227	5	34	.....	18	284	504
Lincoln 2c—Wellandport Road at St. Ann's	1925	106	.....	26	.....	24	156	185
	1926	241	4	37	.....	54	336	513
	1927	227	4	35	.....	18	284	486
Lincoln 3a—Smithville-Hamilton Road at junction of Smithville-Grimsby Road	1925	102	1	19	.....	27	149	187
	1926	265	1	108	.....	206	580	786
	1927	328	5	58	.....	44	435	670
Lincoln 3b—Smithville-Grimsby Road at junction of Smithville-Hamilton Road	1925	76	2	14	.....	14	106	149
	1926	263	2	39	.....	73	377	453
	1927	189	2	33	.....	14	238	363
8-2c—Niagara-on-the-Lake Road at St. David's	1925	203	21	44	2	17	287	326
	1926	225	21	87	.....	21	354	487
	1927	276	53	88	.....	9	426	603
8-3a—County Road at Jordan Corners	1925	153	2	30	2	20	207	303
	1926	274	10	176	.....	55	515	580
	1927	362	16	202	1	55	636	743
8-4a—Grimsby Park Road at Provincial Highway No. 8	1925	156	3	48	.....	21	228	308
	1926	187	8	59	.....	25	279	387
	1927	235	12	65	.....	31	343	472
MIDDLESEX COUNTY—SUMMER:								
Middlesex 1a—Townline Road between West Williams and McGillivray Townships at Con. 21, Lots 25 and 26, McGillivray Township	1925	73	7	5	.....	30	115	144
	1926	58	11	5	.....	30	104	129
	1927	39	3	7	.....	14	63	82

Middlesex 1b—21st Concession Road at Townline Road between West Williams and McGillivray Townships	1925	38	3	3	.....	22	66	104
	1926	41	7	3	.....	27	78	98
	1927	29	1	2	.....	14	46	60
Middlesex 2a—London-Dorchester Road at Nilestown	1925	329	26	51	.....	15	421	675
	1926	209	13	23	.....	8	253	308
	1927	375	12	58	.....	9	454	738
Middlesex 2b—Nilestown-Belmont Road at Nilestown	1925	177	7	32	.....	12	228	328
	1926	161	8	20	.....	10	199	238
	1927	237	7	40	.....	8	292	437
2–6a—County Road at Wardsville, North and South	1925	208	18	21	.....	50	297	355
	1926	Under construction.						
	1927	252	45	81	.....	30	408	465
2–7a—Strathroy Road at Christina	1925	89	4	15	.....	23	131	141
	1926	78	6	6	.....	14	104	120
	1927	78	6	6	.....	15	105	154
2–9a—Wyton Road at Provincial Highway No. 2	1925	138	13	16	.....	6	173	242
	1926	134	10	19	.....	2	165	194
	1927	126	9	24	.....	3	162	203
4–3a—County Road at Concessions 4 and 5, London Township, North of London	1925	980	489	62	6	23	1,560	2,613
	1926	168	21	19	.....	15	223	292
	1927	194	9	21	.....	17	241	317
7–3a—Kerwood Road at Highway No. 7	1925	54	4	2	1	14	75	98
	1926	50	7	6	.....	12	75	107
	1927	86	6	6	.....	18	116	119
7–4a—Main Street at Parkhill	1927	481	60	56	6	109	712	972
22–1a—Poplar Hill-Delaware Road at Poplar Hill	1925	218	19	15	.....	22	274	354
	1926	155	23	12	.....	11	201	238
	1927	137	11	8	.....	9	164	242
MIDDLESEX COUNTY—FALL:								
Middlesex 1a—Townline Road between West Williams and McGillivray Townships at Concession 21, Lots 25 and 26, McGillivray Township	1925	38	.....	3	.....	28	69	130
	1926	33	1	2	.....	22	58	85
	1927	53	1	2	1	19	76	115
Middlesex 1b—Twenty-first Concession Road at Townline Road between West Williams and McGillivray Townships	1925	23	.....	1	.....	22	46	98
	1926	33	1	2	.....	22	58	85
	1927	29	.....	2	.....	10	41	58
Middlesex 2a—London-Dorchester Road at Nilestown	1925	204	.....	35	.....	15	254	288
	1926	271	1	38	.....	12	322	363
	1927	370	1	65	.....	12	449	682

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Middlesex 2b—Nilestown-Belmont Road at Nilestown	1925	128	.....	23	.....	9	160	206
	1926	166	.....	25	.....	11	202	219
	1927	219	.....	46	.....	12	277	397
2–6a—County Road at Wardsville, North and South	1925	213	14	20	.....	52	299	401
	1926	Under construction.						
	1927	197	14	27	.....	33	271	365
2–7a—Strathroy Road at Christina	1925	64	1	9	.....	17	91	120
	1926	77	1	11	.....	10	99	145
	1927	86	3	10	.....	7	106	182
2–9a—Wyton Road at Provincial Highway No. 2	1925	108	3	20	1	7	139	176
	1926	95	3	19	.....	4	121	146
	1927	98	1	22	.....	3	124	241
4–3a—County Road at Concessions 4 and 5, London Township, North of London	1925	503	13	53	3	27	599	733
	1926	174	8	33	.....	17	232	309
	1927	231	6	38	.....	24	299	404
7–3a—Kerwood Road at Highway No. 7	1925	39	.....	2	.....	19	60	82
	1926	51	3	4	.....	28	86	105
	1927	105	6	9	.....	38	158	198
7–4a—Main Street at Parkhill	1927	457	28	34	5	84	608	747
22–1a—Poplar Hill-Delaware Road at Poplar Hill	1925	139	3	29	.....	18	189	304
	1926	99	3	18	.....	14	134	160
	1927	128	3	31	.....	11	173	210
NORFOLK COUNTY—SUMMER:								
Norfolk 1a—Simcoe-Port Dover Road at Vittoria Road	1925	875	44	61	.....	20	1,000	1,680
	1926	1,055	66	75	7	15	1,218	1,648
	1927	1,109	87	87	8	11	1,302	2,401
Norfolk 1b—Vittoria Road at Simcoe-Port Dover Road	1925	397	16	35	.....	15	463	551
	1926	450	28	40	6	10	534	661
	1927	474	30	48	8	8	568	939
Norfolk 2a—Waterford Road at Windham Centre	1925	160	7	17	.....	43	227	268
	1926	174	2	30	.....	30	236	291
	1927	214	5	31	.....	27	277	351

Norfolk 2b—Teeterville Road at Windham Centre	1925	102	5	14	.....	20	141	180
	1926	110	1	21	.....	19	151	181
	1927	121	2	19	.....	18	160	200
Norfolk 3a—Townline Road between Houghton and Walsingham Townships at junction of County Road No. 7	1927	159	2	13	.....	9	183	348
Norfolk 3b—County Road No. 7 at junction of Townline Road between Houghton and Walsingham Townships	1927	94	1	4	.....	7	107	231
3-9a—County Road at Courtland	1925	197	16	37	.....	71	321	345
	1926	208	10	41	.....	67	326	399
	1927	256	5	55	.....	54	370	439
3-10a—Port Dover Road at Renton	1925	161	11	9	.....	29	210	292
	1926	421	115	44	7	33	620	804
	1927	171	4	24	1	27	227	316
NORFOLK COUNTY—FALL:								
Norfolk 1a—Simcoe-Port Dover Road at Vittoria Road	1925	355	2	34	.....	13	404	510
	1926	180	7	38	5	9	239	298
	1927	534	12	63	9	10	628	894
Norfolk 1b—Vittoria Road at Simcoe-Port Dover Road	1925	214	2	20	.....	11	247	364
	1926	401	7	30	5	6	449	783
	1927	261	5	40	6	6	318	449
Norfolk 2a—Waterford Road at Windham Centre	1925	110	1	16	.....	29	156	194
	1926	146	2	31	.....	21	200	247
	1927	163	2	45	.....	18	228	289
Norfolk 2b—Teeterville Road at Windham Centre	1925	64	.....	15	.....	36	115	143
	1926	79	1	16	.....	11	107	148
	1927	104	1	28	.....	12	145	229
Norfolk 3a—Townline Road between Houghton and Walsingham Townships at County Road No. 7	1927	113	2	12	.....	14	141	183
Norfolk 3b—County Road No. 7 at Townline Road between Houghton and Walsingham Townships	1927	82	1	6	.....	9	98	138
3-9a—County Road at Courtland	1925	154	1	27	.....	75	257	363
	1926	150	2	41	.....	55	248	319
	1927	220	4	47	.....	42	313	346
3-10a—Port Dover Road at Renton	1925	193	3	14	.....	41	251	308
	1926	114	1	16	.....	36	167	249
	1927	148	1	23	.....	20	192	214
NORTHUMBERLAND AND DURHAM COUNTIES—SUMMER:								
Durham 1a—Newcastle-Lindsay Road at Kirby	1925	85	5	4	.....	15	109	182
	1926	218	7	13	.....	37	275	375
	1927	223	2	20	.....	26	271	429

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Durham 1b—Kendal Road at Kirby	1925	19	1	2	.....	11	33	46
	1926	51	.....	4	.....	25	80	110
	1927	39	.....	5	.....	15	59	142
Durham 2—Kendal Road at Starkville	1927	68	2	5	.....	14	89	175
Northumberland 1a—Trenton Road at Wooler, East and West	1927	196	7	38	.....	42	283	346
Northumberland 1b—Frankford Road at Wooler, North and South	1927	109	5	20	.....	12	146	224
2-22a—Canton Road at Welcome Corner	1925	127	3	12	1	29	172	200
	1926	214	11	12	.....	36	273	359
	1927	219	16	19	.....	35	289	367
NORTHUMBERLAND AND DURHAM COUNTIES—FALL:								
Durham 1a—Newcastle-Lindsay Road at Kirby	1925	77	1	4	.....	16	98	134
	1926	128	8	17	.....	27	180	278
	1927	187	1	17	.....	31	236	401
Durham 1b—Kendal Road at Kirby	1925	15	.....	1	1	15	31	61
	1926	28	.....	6	.....	17	51	73
	1927	32	.....	5	.....	23	60	99
Durham 2—Kendal Road at Starkville	1927	82	.....	10	.....	53	145	178
Northumberland 1a—Trenton Road at Wooler, East and West	1927	269	2	69	.....	52	392	526
Northumberland 1b—Frankford Road at Wooler, North and South	1927	138	1	28	.....	27	194	264
2-22a—Canton Road at Welcome Corner	1925	99	1	17	.....	41	158	220
	1926	87	.....	12	.....	34	133	211
	1927	399	12	39	3	29	482	914
ONTARIO COUNTY—SUMMER:								
Ontario 1a—Scugog Road at junction of Port Perry-Nestleton Station Road	1925	174	6	15	.....	25	220	364
	1926	319	5	24	.....	36	384	584
	1927	220	8	19	.....	18	265	423
Ontario 1b—Port Perry-Nestleton Road at junction of Scugog Road	1925	152	.....	15	.....	15	182	324

	1926	192	5	14	.....	16	227	392
	1927	142	5	19	.....	10	186	237
12–2a—Port Perry Road at Manchester Corner.....	1925	318	8	21	.....	26	373	700
	1926	455	13	28	.....	23	519	832
	1927	320	11	27	1	26	385	607
ONTARIO COUNTY—FALL:								
Ontario 1a—Scugog Road at junction of Port Perry-Nestleton Station Road.....	1925	66	.....	12	.....	35	113	150
	1926	84	.....	12	.....	22	118	201
	1927	173	1	16	.....	26	216	319
Ontario 1b—Port Perry-Nestleton Station Road at junction of Scugog Road.....	1925	41	.....	4	.....	13	58	107
	1926	66	.....	11	.....	10	87	151
	1927	118	1	12	.....	11	142	198
12–2a—Port Perry Road at Manchester Corner.....	1925	147	13	13	.....	34	194	279
	1926	181	.....	16	.....	3	217	331
	1927	160	1	18	.....	20	199	336
OXFORD COUNTY—SUMMER:								
Oxford 1a—Ingersoll-Tillsonburg Road at Salford.....	1925	313	26	42	4	83	467	619
	1926	358	35	43	5	76	517	634
	1927	389	37	48	5	84	563	693
Oxford 1b—Salford-Burgessville Road at Salford.....	1925	56	3	7	.....	50	116	153
	1926	71	6	14	.....	43	134	166
	1927	113	7	13	.....	50	183	213
Oxford 2a—Embro-Beachville Road at County Road No. 17.....	1925	149	5	12	.....	13	179	276
	1926	148	5	18	.....	13	184	213
	1927	66	1	13	.....	3	83	102
Oxford 2b—County Road No. 17 at junction of Embro-Beachville Road.....	1925	123	6	13	.....	13	155	183
	1926	132	5	14	.....	14	166	192
	1927	71	1	5	.....	8	85	125
Oxford 3a—Harrington Road at junction of Embro Road..	1925	107	6	8	.....	21	142	170
	1926	118	3	14	.....	16	151	183
	1927	100	3	16	.....	19	137	172
Oxford 3b—Embro Road at junction of Harrington Road..	1925	116	6	8	.....	17	147	219
	1926	139	4	15	.....	17	174	204
	1927	121	4	15	.....	15	155	186
2–11a—Burford Road at Eastwood.....	1925	267	282	20	.....	8	577	725
	1926	110	12	17	.....	9	148	196
	1927	157	16	61	2	5	241	343

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
OXFORD COUNTY—FALL:								
Oxford 1a—Ingersoll-Tillsonburg Road at Salford	1925	246	15	29	4	80	374	510
	1926	295	15	37	4	72	423	475
	1927	397	22	46	3	66	534	718
Oxford 1b—Salford-Burgessville Road at Salford	1925	59	8	8	.....	52	124	168
	1926	73	6	14	.....	45	138	170
	1927	126	6	12	.....	44	188	250
Oxford 2a—Embro-Beachville Road at County Road No. 17	1925	69	.....	8	.....	7	84	114
	1926	99	.....	11	.....	12	122	158
	1927	71	.....	16	.....	7	94	123
Oxford 2b—County Road No. 17 at Embro-Beachville Road	1925	59	.....	6	.....	7	72	92
	1926	88	.....	15	.....	14	117	163
	1927	55	.....	6	.....	4	65	108
Oxford 3a—Harrington Road at Embro Road	1925	104	.....	9	1	23	137	201
	1926	99	.....	11	.....	19	129	153
	1927	108	1	12	.....	18	139	186
Oxford 3b—Embro Road at Harrington Road	1925	105	.....	8	1	23	137	193
	1926	108	1	9	.....	16	134	176
	1927	124	2	13	.....	14	153	227
Oxford 4a—Woodstock-Tavistock Road at County Road No. 17	1927	409	1	49	.....	39	498	643
Oxford 4b—County Road No. 17 at Woodstock-Tavistock Road	1927	128	.....	17	.....	18	163	208
2-11a—Burford Road at Eastwood	1925	46	2	9	.....	12	69	80
	1926	68	2	27	.....	7	104	139
	1927	180	28	79	3	7	297	425
2-9½a—Lakeside Road at Thamesford	1927	209	4	32	.....	27	272	348
2-9½b—Governor's Road, traffic east of Thamesford	1927	63	.....	5	.....	14	82	106
PEEL COUNTY—SUMMER:								
Peel 1—Belfountain-Cheltenham Road at Belfountain	1925	100	1	3	.....	23	127	297
	1926	279	3	4	.....	60	346	583
	1927	201	10	13	.....	48	272	502

PEEL COUNTY—FALL:								
Peel 1—Belfountain-Cheltenham Road at Belfountain	1925	38	.....	3	.....	31	72	158
	1926	50	.....	5	.....	47	102	150
	1927	189	5	21	.....	44	259	705
PERTH COUNTY—SUMMER:								
7–7a—Fairview Road south of Stratford at Provincial Highway No. 7	1925	118	2	8	.....	17	145	197
	1926	128	2	10	.....	15	155	185
	1927	119	2	10	1	10	142	188
7–8a—Tavistock Road at Shakespeare	1925	245	6	14	.....	19	284	484
	1926	310	5	35	.....	21	371	426
	1927	456	14	37	.....	20	527	851
8–8a—St. Mary's Road east of Sebringville	1925	72	3	5	.....	12	92	114
	1926	83	1	5	.....	22	111	158
	1927	103	2	11	.....	21	137	160
8–9a—County Road at Dublin, junction of Provincial Highway No. 8	1927	268	15	24	.....	96	403	625
PERTH COUNTY—FALL:								
7–7a—Fairview Road south of Stratford at Provincial Highway No. 7	1925	85	1	8	.....	23	117	139
	1926	97	1	12	.....	14	124	163
	1927	118	1	7	.....	12	138	219
7–8a—Tavistock Road at Shakespeare	1925	190	1	20	.....	42	253	407
	1926	371	1	30	1	34	437	832
	1927	508	7	48	.....	25	588	1,112
8–8a—St. Mary's Road east of Sebringville	1925	57	.....	4	.....	26	87	137
	1926	64	.....	6	.....	25	95	121
	1927	76	.....	13	.....	17	106	144
8–9a—County Road at Dublin, junction of Provincial Highway No. 8	1927	203	4	38	.....	103	348	438
PETERBOROUGH COUNTY—SUMMER:								
Peterborough 1a—Block Road at Norwood Road	1925	28	.....	4	.....	7	39	15
	1926	19	.....	3	.....	2	24	37
	1927	10	.....	2	.....	2	14	21
Peterborough 1b—Norwood Road at Block Road	1925	188	9	23	1	3	224	296
	1926	228	11	24	1	5	269	362
	1927	247	45	24	.....	6	322	458
Peterborough 1c—Keene Road at Block Road	1925	Not taken						
	1926	30	1	4	.....	3	38	57
	1927	226	19	25	.....	16	286	381

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
7–19a—Chemong Road north of Highway No. 7	1925	670	43	57	15	21	806	1,103
	1926	521	38	38	13	15	625	851
	1927	538	38	34	3	19	632	819
28–2a—County Road at Concessions 6 and 7, Monaghan Township south of Peterborough	1925	13	.....	1	.....	7	12	15
	1926	21	1	3	.....	12	37	45
	1927	21	5	8	.....	15	49	56
PETERBOROUGH COUNTY—FALL:								
Peterborough 1a—Block Road at Norwood Road	1925	19	.....	3	.....	5	27	42
	1926	7	.....	2	.....	2	11	15
	1927	17	.....	2	.....	5	24	39
Peterborough 1b—Norwood Road at Block Road	1925	125	.....	23	.....	7	155	222
	1926	131	2	26	.....	4	163	266
	1927	276	2	36	1	9	324	444
Peterborough 1c—Keene Road at Block Road	1926	21	.....	4	.....	1	26	44
	1927	34	.....	6	.....	2	42	65
7–19a—Chemong Road north of Highway No. 7	1925	143	.....	30	.....	18	191	296
	1926	196	4	44	1	38	283	395
	1927	373	12	39	.....	16	440	772
28–2a—County Road at Concessions 6 and 7, Monaghan Township south of Peterborough	1925	4	.....	1	.....	7	12	18
	1926	17	.....	2	.....	13	32	41
	1927	27	.....	1	.....	12	40	64
PRESCOTT COUNTY—SUMMER:								
Prescott 1a—County Road No. 9 at junction of County Road No. 10, North and South	1927	145	8	9	.....	28	190	356
Prescott 1b—County Road No. 10 at junction of County Road No. 9, East	1927	106	6	8	.....	20	140	265
17–2a—County Road 1 mile west of Alfred at junction of Provincial Highway No. 17	1925	47	7	1	8	127	189	254
	1926	59	5	8	3	89	164	216
	1927	62	4	8	.....	87	161	235

PRESCOTT COUNTY—FALL:								
Prescott 1a—County Road No. 9 at County Road No. 10, North and South	1927	138	9	11	.....	21	179	281
Prescott 1b—County Road No. 10 at County Road No. 9, East	1927	83	5	6	.....	17	111	170
17-2a—County Road, 1 mile west of Alfred at junction of Provincial Highway No. 17	1925	33	1	2	4	60	100	145
	1926	44	3	4	2	80	133	170
	1927	57	6	7	.....	79	149	200
PRINCE EDWARD COUNTY—SUMMER:								
Prince Edward 1a—High Shore Road at junction of Demorestville Road	1926	90	5	5	.....	18	118	176
	1927	83	4	5	.....	15	107	166
Prince Edward 1b—Demorestville Road at junction of High Shore Road	1926	167	4	26	.....	40	245	301
	1927	153	3	30	1	45	232	365
Prince Edward 2a—County Road No. 1 at junction of Bay Road near Murray Bay	1927	75	4	22	.....	17	118	191
Prince Edward 2b—Bay Road at junction of County Road No. 1	1927	213	8	31	1	36	289	391
14-1a—Wellington Road at Bloomfield	1925	323	11	31	1	59	425	590
	1926	357	18	23	.....	77	475	655
	1927	366	15	33	1	82	497	615
14-2a—Carrying Place Road at Rossmore	1925	238	15	42	.....	45	340	549
	1926	167	5	20	.....	32	224	327
	1927	183	7	25	.....	26	241	316
PRINCE EDWARD COUNTY—FALL:								
Prince Edward 1a—High Shore Road at Demorestville	1926	55	.....	6	.....	22	83	130
	1927	92	1	7	.....	27	127	183
Prince Edward 1b—Demorestville Road at High Shore Road	1926	132	1	17	.....	48	198	345
	1927	173	.....	15	.....	47	235	300
14-1a—Wellington Road at Bloomfield	1925	203	.....	23	3	56	285	333
	1926	192	1	19	2	56	270	346
	1927	356	2	38	4	57	457	554
14-2a—Carrying Place Road at Rossmore	1925	80	1	19	.....	33	133	198
	1926	130	5	29	.....	33	197	311
	1927	179	.....	46	.....	31	256	388
RENFREW COUNTY—SUMMER:								
Renfrew 1—Renfrew-Douglas Road at McDougal	1925	111	2	9	.....	27	149	258
	1926	159	11	11	1	27	209	253
	1927	123	5	13	.....	37	178	253

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
Renfrew 2—Pembroke-Douglas Road at Rankin	1925	135	3	6	.....	41	185	337
	1926	194	6	7	4	35	246	434
	1927	299	15	25	2	78	419	520
Renfrew 3—Westmeath Road at Lapasse Road	1925	37	3	6	.....	26	72	83
	1926	33	.....	4	.....	24	61	70
	1927	25	.....	2	.....	20	45	66
Renfrew 3a—Lapasse Road at Westmeath Road	1925	51	3	4	.....	36	94	113
	1926	33	.....	2	.....	22	57	69
	1927	26	.....	3	.....	16	45	66
17–1a—Beachburg Road at Lot 7, Cons. 1 and 2, Ross Twp.	1925	233	14	11	4	84	346	465
	1926	256	11	16	.....	77	360	418
	1927	311	30	18	1	78	438	514
17–2a—County Road at Lot 21, Con. 1, Admaston Twp.	1925	70	2	6	.....	16	94	130
	1926	58	1	4	.....	11	74	109
	1927	67	2	3	.....	10	82	112
RENFREW COUNTY—FALL:								
Renfrew 1—Renfrew-Douglas Road at McDougal	1925	87	3	7	.....	21	118	139
	1926	94	1	8	1	17	121	162
	1927	129	2	6	.....	20	157	234
Renfrew 2—Pembroke-Douglas Road at Rankin	1925	74	1	7	.....	39	121	137
	1926	141	9	13	1	41	205	275
	1927	249	10	22	6	71	358	446
Renfrew 3—Westmeath Road at Lapasse Road	1925	27	.....	2	.....	32	61	97
	1926	31	.....	3	.....	41	75	94
	1927	30	1	3	.....	27	61	83
Renfrew 3a—Lapasse Road at Westmeath Road	1925	18	.....	1	.....	29	48	78
	1926	29	.....	3	.....	33	65	85
	1927	36	.....	2	3	31	72	93
17–1a—Beachburg Road at Lot 7, Cons. 1 and 2, Ross Twp.	1925	112	2	6	.....	96	216	367
	1926	147	3	10	.....	65	225	298
	1927	264	5	14	.....	105	388	504
17–2a—County Road at Lot 21, Con. 1, Admaston Twp.	1925	36	.....	2	.....	10	48	60
	1926	51	1	4	.....	11	67	94
	1927	71	1	6	.....	9	87	115

RUSSELL COUNTY—SUMMER:								
Russell 1a—Townline Road between Russell and Cumberland Townships, at Russell Road	1926	20	1	3	.....	17	41	51
	1927	19	.....	.....	.....	23	42	68
Russell 2a—Embrun-Casselman Road at junction of Townline Road between Russell and Cambridge Twps.	1927	96	8	9	.....	52	165	286
Russell 2b—Townline Road between Russell and Cambridge Twps. at junction of Embrun-Casselman Road.	1927	24	1	3	.....	32	60	99
RUSSELL COUNTY—FALL:								
Russell 1a—Townline Road between Russell and Cumberland Townships	1927	20	.....	2	.....	15	37	51
Russell 2a—Embrun-Casselman Road at Townline Road between Russell and Cambridge Townships	1927	102	3	14	.....	56	176	287
Russell 2b—Townline Road between Russell and Cambridge Townships at the Embrun-Casselman Road	1927	51	1	8	.....	42	102	130
SIMCOE COUNTY—SUMMER:								
Simcoe 1a—Alliston Road at Cookstown	1927	310	4	43	.....	36	393	512
Simcoe 1b—Bond Head Road at Cookstown	1927	347	5	31	.....	41	424	542
11-4a—Penetang Road at Crown Hill	1925	211	19	15	.....	18	263	375
	1926	424	56	14	4	20	518	754
	1927	398	55	15	1	8	477	929
11-5a—County Road at South limits of Orillia	1925	216	8	29	1	33	287	368
	1926	267	7	30	2	33	339	355
	1927	268	7	26	1	26	328	429
11-6a—Sparrow Lake Road at Provincial Highway No. 11	1925	98	9	2	.....	1	110	223
	1926	143	15	8	.....	1	167	266
	1927	123	10	7	1	3	144	214
26-2a—Brentwood-Collingwood Road at Sunnidale Corners	1925	284	14	8	1	27	334	543
	1926	192	1	5	1	24	223	384
	1927	199	5	10	1	23	238	426
SIMCOE COUNTY—FALL:								
Simcoe 1a—Alliston Road at Cookstown	1927	459	.....	59	5	52	575	1,178
Simcoe 1b—Bond Head Road at Cookstown	1927	489	.....	63	5	59	616	1,125
11-4a—Penetang Road at Crown Hill	1925	127	.....	9	.....	26	162	214
	1926	180	1	12	.....	17	210	308
	1927	233	4	14	1	11	263	390
11-5a—County Road at South limits of Orillia	1925	124	1	22	.....	32	179	283
	1926	160	.....	27	1	35	223	328
	1927	190	2	32	1	36	261	361
11-6a—Sparrow Lake Road at Provincial Highway No. 11	1925	31	.....	1	.....	3	35	59
	1926	14	1	.....	.....	1	16	29
	1927	34	.....	5	.....	3	42	74

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
26–2a—Brentwood-Collingwood Road at Sunnidale Corners	1925	171	1	6	.....	39	217	261
	1926	75	.....	5	.....	13	93	112
	1927	181	2	14	.....	29	226	321
STORMONT COUNTY—SUMMER:								
Stormont 1a—Cornwall Road at Monklands	1927	123	7	7	.....	34	171	216
Stormont 1b—Finch Road at junction of Cornwall Road, at Monklands	1927	163	7	14	.....	46	230	290
STORMONT COUNTY—FALL:								
Stormont 1a—Cornwall Road at Monklands	1927	125	8	9	.....	27	169	242
Stormont 1b—Finch Road at Monklands	1927	147	5	11	.....	39	202	250
VICTORIA COUNTY—SUMMER:								
Victoria 1a—Bobcaygeon Road at junction of Downeyville Road	1927	477	39	26	.....	39	581	817
Victoria 1b—Downeyville Road at junction of Bobcaygeon Road	1927	215	9	21	.....	59	304	440
7–17a—Little Britain Road at west limits of Lindsay	1925	356	9	34	.....	28	427	524
	1926	424	8	24	.....	22	478	570
	1927	481	13	46	.....	33	573	660
7–18a—Newcastle Road, south of Lindsay, at Provincial Highway No. 7	1925	218	4	12	.....	29	263	383
	1926	266	3	16	1	25	310	461
	1927	157	3	16	.....	25	201	276
VICTORIA COUNTY—FALL:								
Victoria 1a—Bobcaygeon Road at junction of Downeyville Road	1927	272	2	19	.....	34	327	472
Victoria 1b—Downeyville Road at junction of Bobcaygeon Road	1927	229	.....	19	.....	66	314	441
7–17a—Little Britain Road at west limits of Lindsay	1925	281	1	27	.....	36	345	468
	1926	245	.....	31	.....	31	307	405
	1927	410	1	50	.....	30	491	595
7–18a—Newcastle Road, south of Lindsay, at Provincial Highway No. 7	1925	145	.....	18	.....	30	193	282
	1926	247	.....	21	.....	32	300	416
	1927	258	.....	21	.....	33	312	656

WATERLOO COUNTY—SUMMER:								
Waterloo 1a—Waterloo-Elmira Road at St. Clements Road	1925	818	53	65	8	86	1,031	1,864
	1926	954	25	71	8	60	1,118	1,626
	1927	924	23	89	9	95	1,140	1,767
Waterloo 1b—St. Clements Road at Elmira Road	1925	328	25	30	.....	38	441	707
	1926	352	7	28	.....	28	415	564
	1927	355	3	34	.....	59	451	725
Waterloo 2a—West Montrose-Winterbourne Road at junction of West Montrose-Guelph Road	1925	105	2	12	1	40	161	195
	1926	99	2	10	.....	129	240	305
	1927	113	1	12	.....	27	153	209
Waterloo 2b—West Montrose-Guelph Road at junction of West Montrose-Winterbourne Road	1925	102	1	13	.....	29	146	194
	1926	100	2	10	.....	120	232	308
	1927	117	1	12	.....	25	155	195
7–9a—Wellesley Road at Baden	1925	60	3	10	.....	15	88	131
	1926	144	4	16	.....	19	183	241
	1927	95	2	95	2	13	207	297
7–10a—Preston-Conestogo Road east of Kitchener	1925	160	19	24	.....	38	241	263
	1926	151	2	22	.....	34	209	237
	1927	98	3	14	.....	13	128	238
24–4a—Ayr Road at Paris-Galt Highway	1927	29	1	5	.....	7	42	68
24–5a—Preston Road at Paris-Galt Highway	1927	531	5	71	.....	10	617	1,079
WATERLOO COUNTY—FALL:								
Waterloo 1a—Waterloo-Elmira Road at St. Clements Road	1925	262	3	30	8	41	344	558
	1926	610	4	58	10	66	748	1,114
	1927	779	3	63	10	44	899	1,709
Waterloo 1b—St. Clements Road at Elmira Road	1925	175	2	18	.....	57	252	349
	1926	204	1	20	.....	39	264	374
	1927	260	1	22	.....	26	309	532
Waterloo 2a—West Montrose-Winterbourne Road at West Montrose-Guelph Road	1925	54	.....	10	.....	37	101	151
	1926	70	2	10	.....	20	102	129
	1927	77	.....	8	.....	29	114	218
Waterloo 2b—West Montrose-Guelph Road at West Montrose-Winterbourne Road	1925	62	.....	11	.....	38	111	168
	1926	75	.....	11	.....	22	108	139
	1927	91	.....	11	.....	24	126	232
7–9a—Wellesley Road at Baden	1925	9	.....	2	.....	15	26	34
	1926	Under construction.						
	1927	147	2	23	2	7	181	367
7–10a—Preston-Conestogo Road east of Kitchener	1925	104	1	20	.....	52	177	272
	1926	155	.....	53	.....	65	273	327
	1927	Under construction.						

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
24-4a—Ayr Road at Paris-Galt Highway	1927	29	1	5	.....	7	42	68
24-5a—Preston Road at Galt-Guelph Highway	1927	531	5	71	.....	10	617	1,079
WELLAND COUNTY—SUMMER:								
Welland 1a—Canboro Road at Fenwick, East and West	1927	497	29	101	.....	34	661	871
Welland 1b—South Pelham Road at Fenwick, South	1927	229	16	42	.....	16	303	469
Welland 2a—Crowland Road at Cooks Mills, East and West	1927	535	107	78	4	9	733	942
Welland 2b—Humberstone Road at Cooks Mills, South	1927	328	97	54	6	5	490	620
3-14a—County Road at Lots 39 and 40, Wainfleet Township at junction of Provincial Highway No. 3	1925	107	7	18	.....	5	137	249
	1926	578	185	53	3	18	837	1,525
	1927	290	24	37	.....	8	359	569
3-17a—Montrose Road at Lundy's Lane	1925	364	71	49	3	31	518	693
	1926	299	59	42	.....	18	418	722
	1927	753	367	111	11	14	1,256	2,167
3A-3a—Ridgeway Road at Garrison Road	1925	500	1,644	98	32	19	2,293	2,461
	1926	975	1,607	106	22	14	2,724	3,126
	1927	675	3,854	133	35	10	4,707	7,076
3A-3B—Chippewa Road at Garrison Road	1925	275	211	41	3	16	546	691
	1926	570	526	57	3	13	1,169	1,813
	1927	423	405	57	4	6	895	1,770
8-1a—Thorold Road at South End Corner	1925	588	100	123	1	16	828	977
	1926	364	82	86	1	10	543	613
	1927	800	548	108	12	17	1,485	2,357
8-1b—Portage Road at South End Corner	1925	559	194	129	1	23	906	1,170
	1926	468	133	109	.....	19	729	1,022
	1927	Under construction.						
Niagara Falls Boulevard, near Bridgeburg	1926	487	518	39	4	6	1,054	1,840
	1927	895	1,355	89	35	4	2,378	4,208
WELLAND COUNTY—FALL:								
Welland 1a—Canboro Road at Fenwick, East and West	1927	459	7	110	.....	64	640	865
Welland 1b—South Pelham Road at Fenwick, South	1927	236	3	59	.....	39	337	451
Welland 2a—Crowland Road at Cooks Mills, East and West	1927	681	51	93	.....	13	838	1,393

Welland 2b—Humberstone Road at Cooks Mills, South...	1927	485	42	68	.....	8	603	958
3-14a—County Road at Lots 39 and 40, Wainfleet Township, at Provincial Highway No. 3.....	1925	98	3	14	.....	6	121	154
	1926	99	2	17	.....	7	125	151
	1927	327	8	23	.....	9	367	540
3-16a—Fonthill Road at Provincial Highway No. 3.....	1927	346	26	65	.....	15	452	993
3-17a—Montrose Road at Lundy's Lane.....	1925	262	24	58	1	22	367	425
	1926	122	5	28	3	8	166	216
	1927	335	27	49	1	11	423	685
3A-3a—Ridgeway Road at Garrison Road.....	1925	627	239	60	23	46	995	1,329
	1926	523	213	66	27	18	847	1,148
	1927	608	596	121	30	13	1,368	1,807
3A-3b—Chippewa Road at Garrison Road.....	1925	431	94	41	.....	37	603	645
	1926	300	77	43	.....	12	432	576
	1927	268	117	77	1	11	474	689
8-1a—Thorold Road at South End Corner.....	1925	321	112	98	1	19	551	618
	1926	428	70	127	.....	18	643	1,097
	1927	845	124	202	.....	20	1,191	1,577
8-1b—Portage Road at South End Corner.....	1925	209	45	84	1	15	354	401
	1926	434	79	129	3	11	656	966
	1927	813	163	166	2	13	1,157	1,681
Niagara Boulevard, near Bridgeburg.....	1926	301	175	35	8	4	524	646
	1927	702	1,007	70	22	2	1,803	3,740
WELLINGTON COUNTY—SUMMER:								
Wellington 1a—Archibald-Foley Sideroad at Alma.....	1925	19	.....	3	.....	18	40	64
	1926	72	1	9	.....	18	100	141
	1927	Under repair.						
Wellington 1b—Elora Road at Alma.....	1925	360	19	26	.....	91	496	713
	1926	591	29	36	.....	81	737	1,737
	1927	503	19	42	.....	94	658	847
Wellington 1c—Elmira Road at Alma.....	1925	150	7	10	.....	28	195	287
	1926	208	8	16	.....	20	252	390
	1927	187	3	15	.....	34	239	290
6-9a—Arthur-Orangeville Road at Arthur.....	1925	101	1	4	.....	72	178	147
	1926	244	3	3	.....	72	322	489
	1927	124	4	11	.....	55	194	238
9-3a—Clifford-Hanover Road at Clifford Village.....	1925	128	6	14	.....	26	174	242
	1926	136	5	13	.....	28	182	245
	1927	133	4	18	.....	28	183	322
23-2a—Elora Road at Teviotdale.....	1925	205	10	9	.....	6	230	406
	1926	256	16	12	.....	5	289	491
	1927	287	19	18	.....	10	335	589

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Continued

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
WELLINGTON COUNTY—FALL:								
Wellington 1a—Archibald-Foley Sideroad at Alma	1925	22	.....	.....	.....	23	45	77
	1926	5	.....	4	.....	1	10	12
	1927	41	.....	4	.....	16	61	82
Wellington 1b—Elora Road at Alma	1925	194	4	10	.....	82	290	338
	1926	309	3	25	.....	85	422	537
	1927	354	3	26	.....	85	468	761
Wellington 1c—Elmira Road at Alma	1925	78	1	6	.....	29	114	183
	1926	138	1	8	.....	31	178	241
	1927	142	1	10	.....	31	184	299
6–9a—Arthur-Orangeville Road at Arthur	1925	32	.....	3	.....	59	94	125
	1926	96	.....	5	.....	81	185	215
	1927	113	1	14	.....	56	184	234
9–3a—Clifford-Hanover Road at Clifford Village	1925	71	1	8	.....	41	121	172
	1926	75	1	11	.....	23	110	157
	1927	97	1	10	.....	16	124	217
23–2a—Elora Road at Teviotdale	1925	61	1	5	.....	8	75	170
	1926	122	3	7	.....	3	135	232
	1927	126	3	5	1	16	141	252
WENTWORTH COUNTY—SUMMER:								
6–3a—Ohsweken Road at Provincial Highway No. 6	1927	21	2	8	.....	14	45	68
6–4a—County Road, Cons. 6 and 7, Glanford Township	1926	95	1	14	.....	15	125	147
	1927	129	1	40	.....	14	184	216
6–6a—Brock Road at Freelton	1925	102	4	15	.....	15	136	162
	1926	131	2	15	.....	19	167	230
	1927	120	5	23	.....	12	160	230
8–5a—Old Stoney Creek Road at Provincial Highway No. 8	1925	147	15	30	1	7	200	290
	1926	259	15	49	.....	12	335	486
	1927	341	42	47	.....	10	440	676
8–7a—Brock Road at Bullock's Corners	1925	375	10	62	.....	33	480	582
	1926	326	7	54	.....	37	424	567
	1927	462	17	74	.....	17	570	882

WENTWORTH COUNTY—FALL:								
6-3a—Ohsweken Road at Provincial Highway No. 6	1927	70	3	10	.....	17	100	255
6-4a—County Road, Cons. 6 and 7, Glanford Township	1926	70	.....	8	.....	23	101	120
	1927	131	1	23	.....	18	173	243
6-6a—Brock Road at Freelton	1925	86	.....	19	.....	29	134	183
	1926	84	1	16	.....	22	123	163
	1927	126	7	25	.....	11	169	283
8-5a—Old Stoney Creek Road at Provincial Highway No. 8	1925	98	4	38	2	8	150	176
	1926	196	5	77	.....	17	295	476
	1927	240	17	60	.....	9	326	655
8-7a—Brock Road at Bullock's Corners	1925	255	2	59	.....	38	354	429
	1926	404	7	70	.....	36	517	608
	1927	676	13	128	.....	28	845	1,241
YORK COUNTY—SUMMER:								
York 1a—Sutton Road at Sharon	1925	965	33	45	.....	27	1,070	1,687
	1926	1,252	22	57	1	17	1,349	3,236
	1927	1,159	61	131	.....	11	1,362	2,257
York 1b—Mount Albert Road at Sharon	1925	134	1	11	.....	12	158	232
	1926	145	1	12	.....	8	166	224
	1927	249	7	29	.....	4	289	526
York 2—Weston Road at Eglinton Avenue	1926	3,021	18	716	5	120	3,880	4,506
	1927	3,423	45	622	1	80	4,171	4,816
York 3—Vaughan Road at Eglinton Avenue	1926	1,775	9	345	5	77	2,211	2,617
	1927	2,285	23	480	7	70	2,865	3,632
York 4a—Schomberg Road at Kleinburg, North and South	1927	481	2	152	.....	21	656	986
York 4b—Nashville Road at Kleinburg, West	1927	237	1	110	.....	14	362	479
11-0b—Lansing Corner, traffic west of Yonge Street	1925	106	2	32	.....	15	155	281
	1926	130	1	14	.....	9	154	230
	1927	175	2	37	3	14	231	310
11-0c—Lansing Corner, traffic east of Yonge Street	1925	311	8	92	.....	23	443	652
	1926	512	6	56	.....	16	590	853
	1927	687	12	83	1	16	799	1,028
5-1a—Dundas Street at Islington	1925	1,039	56	208	76	25	1,404	1,471
	1926	1,545	43	213	82	18	1,901	2,513
	1927	971	36	122	17	8	1,186	1,700
2-18a—Markham Road at Danforth Avenue	1925	1,260	50	309	74	69	1,762	2,022
	1926	2,077	66	365	80	73	2,661	3,629
	1927	1,936	21	320	77	63	2,417	2,757
2-19a—Old Kingston Road at Danforth Avenue	1926	2,618	373	275	36	12	3,314	4,396
	1927	3,262	469	320	7	13	4,071	5,776
YORK COUNTY—FALL:								
York 1a—Sutton Road at Sharon	1925	288	.....	30	.....	26	344	483
	1926	391	8	57	.....	25	481	781
	1927	582	1	73	.....	14	670	1,454

COUNTY ROAD TRAFFIC CENSUS—1925, 1926 and 1927—Concluded

DAILY AVERAGE

Station and Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
York 1b—Mount Albert Road at Sharon	1925	128	.....	10	.....	16	154	249
	1926	100	.....	24	.....	15	139	197
	1927	233	.....	41	.....	11	285	603
York 2—Weston Road at Eglinton Avenue	1925	1,744	3	533	44	99	2,423	2,966
	1926	2,420	7	641	5	111	3,184	3,909
	1927	3,441	14	633	4	88	4,180	6,029
York 3—Vaughan Road at Eglinton Avenue	1925	849	1	367	6	118	1,341	2,659
	1926	980	1	299	5	73	1,358	2,001
	1927	1,549	3	354	.....	70	1,976	2,787
York 4a—Schomberg Road at Kleinburg, North and South	1927	526	.....	128	5	29	688	1,385
York 4b—Nashville Road at Kleinburg, West	1927	328	.....	62	.....	19	409	574
11-0b—Lansing Corner, traffic west of Yonge Street	1925	139	2	42	.....	38	221	457
	1926	157	1	28	.....	20	206	246
	1927	314	1	105	.....	21	439	807
11-0c—Lansing Corner, traffic east of Yonge Street	1925	531	1	166	.....	38	736	1,646
	1926	329	2	94	1	36	462	583
	1927	822	3	192	1	19	1,037	1,979
5-1a—Dundas Street at Islington	1925	755	7	189	94	28	1,073	1,301
	1926	795	22	191	66	13	1,087	1,546
	1927	Under construction.						
2-18a—Markham Road at Danforth A enue	1925	2,391	55	621	40	247	3,354	4,168
	1926	2,647	13	585	179	277	3,699	5,068
	1927	1,903	6	345	76	54	2,384	5,336
2-19a—Old Kingston Road at Danforth Avenue	1925	1,499	30	267	21	19	1,836	2,075
	1926	1,496	58	244	27	18	1,843	2,757
	1927	2,373	142	291	5	17	2,828	5,332

Report of Motor Vehicles Branch, 1926

By J. P. Bickell, Registrar of Motor Vehicles

Registrations

The registration of motor vehicles during the year 1926 showed considerable increase over that of 1925. The passenger cars registered numbered 343,992. The commercial vehicles numbered 39,012. Detailed statistics of these registrations arranged according to counties, occupations of owners, etc., etc., are appended hereto.

Issuers of Motor Vehicle Permits

During the year the Department had ninety agents appointed throughout the Province to issue motor vehicle permits. These agents collected a total of $4,884,969.18 and the commission deducted by them for their services amounted to $78,065.35.

Suspension or Cancellation of Motor Vehicle Permits

Two hundred and sixty-seven persons convicted of operating motor vehicles or of being in charge of motor vehicles while intoxicated were prohibited from operating for periods varying from one to three months. In cases where the persons convicted were the owners of the vehicles, their motor vehicle permits were also suspended for like periods. These suspensions were in addition to gaol sentences provided under the Criminal Code. One hundred and sixty-seven motor vehicle permits were suspended by Police Magistrates for the offence of "Reckless Driving."

Chauffeur Examiners

During the year, 125 examiners of applicants for chauffeur licenses were appointed throughout the Province. These examiners examined and passed 10,467 applicants for chauffeur licenses

Traffic Officers

In 1926 approximately 1,500 miles of Provincial Highways were patrolled by forty-three officers comprising our Highway Traffic Officers Staff. The system of warning motorists, rather than prosecuting, was used very extensively and a marked decrease in the number of offences committed on most of the details was noticed. Special attention was given to elimination of glaring headlights and the use of but one light—which offences constituted two of the greatest menaces.

Public Vehicles

The work of licensing and regulating the public passenger vehicle has largely increased this year. Although the number of licensed operators does not indicate this, it is shown in the total of vehicles operated. Routes have been extended, and a service was given over 3,100 miles of Provincial and other highways.

Considerable improvement in the efficiency of the services operated has been evident. Through services have been established and by the co-operation of the individual operators, connections between the various companies have been improved which has brought with it a big increase in the number of passengers carried.

Several of the original small operators have discontinued, as their routes have been acquired by larger companies.

The spirit of co-operation between the Department and the licensed operator in the matter of time-tables and tariff of tolls, has been continued and general appreciation of the value of the regulations has been shown.

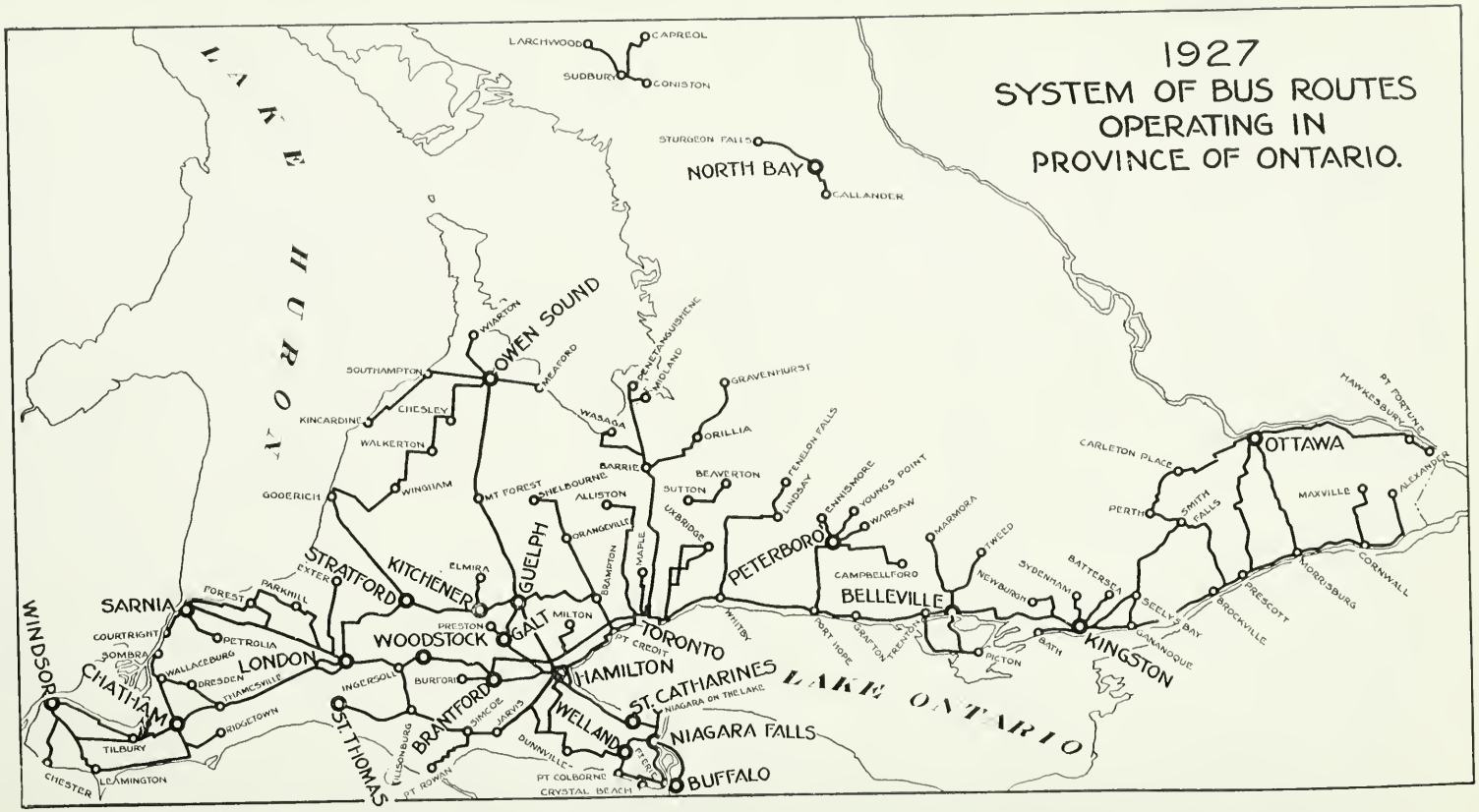
During 1926 it was not found necessary to make any important alterations in the regulations. The policy of the Department originally adopted has been followed throughout the year, and applications for duplication of service have not been favoured. Any demand for additional service has been met by the operator already licensed upon the request of the Department.

Apart from the regular services operated, there has been a growing demand from the public for sight-seeing and chartered trips. This part of the business is distinct from the regular scheduled service and is being conducted exclusively in some cases by operators who are not licensed. Legislation to control such operation is now in hand and will be effective at an early date.

An association has been formed by the licensed operators this year and the relations between this body and the Department have been one of complete co-operation. Expressions of satisfaction have been forwarded by them to the Department as to the Provisions of the Public Vehicle Act since its enforcement, although there is the claim made that the fees charged are too high since the gas tax was added in May, 1925.

Eastern Conference

The Registrar of Motor Vehicles attended most of the regular meetings of the Conference, which is composed of representatives from the Eastern States and the Provinces of Ontario and Quebec. Much information was secured as a result of attendance at these meetings, which was of value in the administration of the Motor Vehicles Branch.


1927
SYSTEM OF BUS ROUTES
OPERATING IN
PROVINCE OF ONTARIO.
LAKE HURON
LAKE ONTARIO
LARCHWOOD
CAPREOL
SUDBURY
CONISTON
STURGEON FALLS
NORTH BAY
CALLANDER
OWEN SOUND
WIARTON
SOUTHAMPTON
MEAFORD
PENETANGUISHENE
MIDLAND
GRAVENHURST
ORILLIA
KINCARDINE
CHESLEY
WALKERTON
WASAGA
BARRIE
BEAVERTON
SUTTON
UXBRIDGE
FENELON FALLS
LINDSAY
ENNISMORE
YOUNGS POINT
WARSAW
PETERBORO
MARMORA
CAMPBELLFORD
BELLEVILLE
TWEED
NEWBURGH
SYDENHAM
BATTERSEA
PERTH
SMITH FALLS
CARLETON PLACE
OTTAWA
PT FORTUNE
HAWKESBURY
MAXVILLE
ALEXANDER
CORNWALL
MORRISBURG
PRESCOTT
BROCKVILLE
SEELYS BAY
GANANOQUE
KINGSTON
PICTON
BATH
PORT HOPE
GRAFTON
TRENTON
WHITBY
TORONTO
PT CREDIT
GODERICH
WINGHAM
MT FOREST
SHELBOURNE
ALLISTON
ORANGEVILLE
BRAMPTON
MAPLE
GUELPH
ELMIRA
STRATFORD
KITCHENER
EXETER
PARKHILL
FOREST
SARNIA
COURTRIGHT
PETROLIA
SOMBRA
WALLACEBURG
DRESDEN
THAMESVILLE
LONDON
WOODSTOCK
PRESTON
GALT
MILTON
HAMILTON
INGERSOLL
BURFORD
BRANTFORD
SIMCOE
JARVIS
ST. CATHARINES
NIAGARA ON THE LAKE
WELLAND
NIAGARA FALLS
DUNNVILLE
PT COLBORNE
CRYSTAL BEACH
BUFFALO
WINDSOR
CHATHAM
RIDGETOWN
TILBURY
LEAMINGTON
CHESTER
ST. THOMAS
KILSOMBURG
PT ROWAN

MOTOR VEHICLES BRANCH, HIGHWAYS DEPARTMENT

Revenue for the Fiscal Year 1925-1926

Automobile permits	$5,032,427 85	
Commercial permits	1,079,656 03	
Trailer permits	11,002 23	
Motorcycle permits	13,035 45	
Automobile dealers' permits	47,923 66	
Commercial dealers' permits	4,035 50	
Motorcycle dealers' permits	60 00	
Chauffeurs	47,716 92	
Duplicate cards and badges	629 50	
Non-professional certificates	214 32	
Transfers	89,017 56	
In transits	12,461 50	
Garages	21,444 25	
Searches and certificates	19 50	
Telephone commission	13 69	
Incomplete applications	81 50	
Miscellaneous	38 00	
Lists	4,178 85	
Fines	44,562 70	
Public vehicles	87,085 26	
		$6,495,604 27
Less:—		
Commissions deducted by agents	$78,065 35	
Express charges paid by agents	88 23	
Cheques charged by Provincial Treasurer	217 00	
Balance due by agents	170 87	
Refunds deducted by Provincial Treasurer	1,349 77	
		79,891 22
		$6,415,713 05

SUMMARY OF CONVICTIONS REGISTERED UNDER THE HIGHWAY TRAFFIC ACT AS REPORTED BY POLICE MAGISTRATES 1926 (Calendar Year)

	Section Violated	Offence	Number of Convictions
1.	5	No registration plates	246
2.	6	Defaced registration plates	111
3.	7 (1)	Improper registration plates	35
4.	7 (3)	Dirty registration plates	68
5.	10 (1)	No lights	1,234
6.	10 (2)	Too many lights of over 4 c.p	45
7.	10 (7)	No rear lights	44
8.	10 (13)	Revolving lights	4
9.	12	Trucks without mirrors	37
10.	14	Unnecessary noise	54
11.	17	No chauffeur license	60
12.	22	No garage license	3
13.	24	Exceeding speed limit	16,381
14.	25	Reckless driving	2,355
15.	26	Racing	11
16.	27	Speeding (heavy trucks)	16
17.	32	Excess load in March and April	291
18.	38 (1)	Passing standing street car	486
19.	38 (2)	Passing street car on wrong side	63
20.	41	Failure to return to scene of accident	85
21.	44	Operating while under age	61
22.	45	Persons hiring vehicles without license	6
23.	46	Driving while intoxicated	277
24.		Miscellaneous	218

Total fines, $165,501.00. Total costs, $47,201.64. Total convictions, 22,197.

Note.—Fines imposed for offences committed on other than Provincial Highways are paid to the municipality in which the offence is committed.

PASSENGER CARS REGISTERED—1926

Counties		Cities		Total
Algoma	1,684	Sault Ste. Marie	2,232	3,916
Brant	2,636	Brantford	2,825	5,461
Bruce	5,408	.....	.....	5,408
Carleton	3,448	Ottawa	8,702	12,150
Dufferin	2,358	.....	.....	2,358
Dundas	2,162	.....	.....	2,162
Durham	2,812	.....	.....	2,812
Elgin	4,508	St. Thomas	2,251	6,759
Essex	12,097	Windsor	7,793	19,890
Frontenac	2,290	Kingston	2,127	4,417
Glengarry	1,340	.....	.....	1,340
Grenville	1,796	.....	.....	1,796
Grey	5,667	Owen Sound	1,290	6,957
Haldimand	3,769	.....	.....	3,769
Halburton	440	.....	.....	440
Halton	3,208	.....	.....	3,208
Hastings	5,472	Belleville	1,605	7,077
Huron	6,330	.....	.....	6,330
Kenora	476	.....	.....	476
Kent	7,496	Chatham	2,144	9,640
Lambton	5,992	Sarnia	2,294	8,286
Lanark	3,100	.....	.....	3,100
Leeds	4,061	.....	.....	4,061
Lennox and Addington	2,312	.....	.....	2,312
Lincoln	3,297	St. Catharines	2,653	5,950
Manitoulin	537	.....	.....	537
Middlesex	7,263	London	7,740	15,003
Muskoka	1,659	.....	.....	1,659
Nipissing	1,685	North Bay	1,250	2,935
Norfolk	3,781	.....	.....	3,781
Northumberland	3,870	.....	.....	3,870
Ontario	4,132	Oshawa	2,158	6,290
Oxford	5,607	Woodstock	1,131	6,738
Parry Sound	1,883	.....	.....	1,883
Peel	3,521	.....	.....	3,521
Perth	4,701	Stratford	1,927	6,628
Peterboro	2,682	Peterboro	2,114	4,796
Prescott	1,458	.....	.....	1,458
Prince Edward	2,569	.....	.....	2,569
Rainy River	1,122	.....	.....	1,122
Renfrew	3,641	.....	.....	3,641
Russell	1,114	.....	.....	1,114
Simcoe	9,315	.....	.....	9,315
Stormont	2,434	.....	.....	2,434
Sudbury	1,588	.....	.....	1,588
Thunder Bay	715	Fort William	1,757	
		Port Arthur	1,537	4,009
Temiskaming	2,851	.....	.....	2,851
Victoria	3,674	.....	.....	3,674
Waterloo	5,514	Galt	1,391	
		Kitchener	2,938	9,843
Welland	6,295	Niagara Falls	2,727	
		Welland	1,587	10,609
Wellington	4,223	Guelph	2,057	6,280
Wentworth	4,423	Hamilton	13,608	18,031
York	13,491	Toronto	63,841	77,332
Foreign	406	.....	.....	406
	200,313		143,679	343,992

Horse Power

4-cylinder less than 25 horse-power	281,264	
4-cylinder more than 25 and up to 35 horse-power	2,501	
4-cylinder more than 35 and up to 50 horse-power	14	
		283,779
6-cylinder less than 25 horse-power	26,611	
6-cylinder more than 25 and up to 35 horse-power	29,262	
6-cylinder more than 35 and up to 50 horse-power	1,810	
6-cylinder more than 50 horse-power	141	
		57,824
8-12-cylinder more than 25 and up to 35 horse-power	1	
8-12-cylinder more than 35 and up to 50 horse-power	1,963	
8-12-cylinder more than 50 horse-power	365	
		2,329
Electric		60
		343,992

Models

Opened cars	210,118	
Closed cars	133,874	
		343,992

Registrations

Originals	57,935	
Renewals	286,057	
		343,992

Occupations

Farmers	99,649	
Merchants	27,016	
Professional	20,346	
Liveries and Garages	4,810	
Salesmen, Travellers, etc	21,043	
Manufacturers	7,100	
Tradesmen	49,446	
Managers	18,281	
Unclassified	59,948	
Unoccupied	35,418	
Municipal	409	
Dominion Government	115	
Ontario Government	411	
		343,992

COMMERCIAL CARS REGISTERED—1926

Counties		Cities		Total
Algoma	136	Sault Ste. Marie	175	311
Brant	192	Brantford	439	631
Bruce	415	.....	.....	415
Carleton	325	Ottawa	1,345	1,670
Dufferin	131	.....	.....	131
Dundas	130	.....	.....	130
Durham	196	.....	.....	196
Elgin	305	St. Thomas	204	509
Essex	1,642	Windsor	1,350	2,992
Frontenac	154	Kingston	276	430
Glengarry	65	.....	.....	65
Grenville	160	.....	.....	160
Grey	243	Owen Sound	133	376
Haldimand	261	.....	.....	261
Haliburton	151	.....	.....	151
Halton	303	.....	.....	303
Hastings	354	Belleville	220	574
Huron	311	.....	.....	311
Kenora	104	.....	.....	104
Kent	547	Chatham	345	892
Lambton	393	Sarnia	210	603
Lanark	181	.....	.....	181
Leeds	312	.....	.....	312
Lennox and Addington	169	.....	.....	169
Lincoln	587	St. Catharines	446	1,033
Manitoulin	32	.....	.....	32

COMMERCIAL CARS REGISTERED—1926—*Continued.*

Counties		Cities		Total
Middlesex	542	London	1,099	1,641
Muskoka	156		.....	156
Nipissing	99	North Bay	109	208
Norfolk	397		.....	397
Northumberland	375		.....	375
Ontario	311	Oshawa	251	562
Oxford	486	Woodstock	165	651
Parry Sound	142		.....	142
Peel	575		.....	575
Perth	241	Stratford	174	415
Peterboro	148	Peterboro	247	395
Prescott	168		.....	168
Prince Edward	187		.....	187
Rainy River	94		.....	94
Renfrew	236		.....	236
Russell	96		.....	96
Simcoe	527		.....	527
Stormont	179		.....	179
Sudbury	221		.....	221
Thunder Bay	109	Fort William	271	
		Port Arthur	191	571
Temiskaming	358		.....	348
Victoria	222		.....	222
Waterloo	414	Galt	179	
		Kitchener	322	915
Welland	677	Niagara Falls	413	
		Welland	221	1,311
Wellington	248	Guelph	225	473
Wentworth	850	Hamilton	1,964	2,814
York	1,880	Toronto	9,890	11,770
Foreign	411		.....	411
	18,148		20,864	39,012

Tires

Pneumatic	32,583	
Solid	5,666	
Municipal	367	
Ontario Government Dominion Government	396	
		39,012

Gross Weights—Pneumatic Tires

Less than two tons	13,259	
Of two tons and up to three tons	15,545	
More than three tons and up to four tons	2,061	
More than four tons and up to five tons	920	
More than five tons and up to six tons	386	
More than six tons and up to seven tons	189	
More than seven tons and up to eight tons	137	
More than eight tons and up to nine tons	71	
More than nine tons and up to ten tons	15	
		32,583

Gross Weights—Solid Tires

Less than two tons	198	
Of two tons and up to three tons	1,994	
More than three tons and up to four tons	312	
More than four tons and up to five tons	461	
More than five tons and up to six tons	662	
More than six tons and up to seven tons	514	
More than seven tons and up to eight tons	685	
More than eight tons and up to nine tons	380	
More than nine tons and up to ten tons	174	
More than ten tons and up to eleven tons	85	
More than eleven tons and up to twelve tons	201	
		5,666
Municipal	367	
Ontario Government Dominion Government	396	
		763
		39,012

Occupations

Farmers	5,780	
Merchants	11,574	
Busses	665	
Cartage and express less than three tons gross	2,433	
Cartage and express more than three tons gross	1,879	
Manufacturers	4,068	
Tradesmen	4,032	
Contractors, three tons gross or less	1,130	
Contractors, more than three tons gross	732	
Unclassified	5,163	
Municipal	1,060	
Dominion Government	183	
Ontario Government	313	
		39,012

TRAILER REGISTRATIONS—1926

Counties		Cities		Total
Algoma	2	Sault Ste. Marie	....	2
Brant	7	Brantford	17	24
Bruce	5	.....	....	5
Carleton	4	Ottawa	18	22
Dufferin	....	.....	....	....
Dundas	3	.....	....	3
Durham	6	.....	....	6
Elgin	23	St. Thomas	3	26
Essex	87	Windsor	21	108
Frontenac	1	Kingston	7	8
Glengarry	....	.....	....	....
Grenville	2	.....	....	2
Grey	2	Owen Sound	4	6
Haldimand	27	.....	....	27
Haliburton	....	.....	....	....
Halton	12	.....	....	12
Hastings	8	Belleville	11	19
Huron	63	.....	....	63
Kenora	1	.....	....	1
Kent	39	Chatham	14	53
Lambton	20	Sarnia	13	33
Lanark	13	.....	....	13
Leeds	11	.....	....	11
Lennox and Addington	12	.....		12
Lincoln	5	St. Catharines	14	19
Manitoulin	....	.....	....	....
Middlesex	39	London	27	66
Muskoka	2	.....	....	2
Nipissing	....	North Bay	2	2
Norfolk	17	.....	....	17
Northumberland	15	.....	....	15
Ontario	13	Oshawa	25	38
Oxford	25	Woodstock	4	29
Parry Sound	1	.....	....	1
Peel	13	.....	....	13
Perth	20	Stratford	8	28
Peterboro	....	Peterboro	9	9
Prescott	....	.....	....	....
Prince Edward	4	.....	....	4
Rainy River	1	.....	....	1
Renfrew	4	.....	....	4
Russell	....	.....	....	....
Simcoe	9	.....	....	9
Stormont	5	.....	....	5
Sudbury	3	.....	....	3
Thunder Bay	3	Fort William	3	
		Port Arthur		6
Temiskaming	....	.....	....	....
Victoria	5	.....	....	5
Waterloo	14	Galt	3	....
		Kitchener	16	33

TRAILER REGISTRATIONS—1926—*Continued.*

Counties		Cities		Total
Welland	10	Niagara Falls	6	....
		Welland	10	26
Wellington	6	Guelph	6	12
Wentworth	14	Hamilton	118	132
York	33	Toronto	417	450
Foreign	13	....	....	13
	622		776	1,398

Trailer Gross Weights

One ton or less	858	
More than one ton and up to two tons	136	
More than two tons and up to three tons	95	
More than three tons and up to four tons	77	
More than four tons and up to five tons	77	
More than five tons and up to six tons	19	
More than six tons and up to seven tons	14	
More than seven tons and up to eight tons	15	
More than eight tons and up to nine tons	8	
More than nine tons and up to ten tons	10	
Municipal	83	
Ontario Government Dominion Government	6	
		1,398

MOTORCYCLE REGISTRATIONS—1926

Counties		Cities		Total
Algoma	14	Sault Ste. Marie	24	38
Brant	17	Brantford	34	51
Bruce	11	....	....	11
Carleton	20	Ottawa	140	160
Dufferin	10	....	....	10
Dundas	14	....	....	14
Durham	19	....	....	19
Elgin	11	St. Thomas	9	20
Essex	38	Windsor	41	79
Frontenac	6	Kingston	29	35
Glengarry	5	....	....	5
Grenville	7	....	....	7
Grey	13	Owen Sound	9	22
Haldimand	10	....	....	10
Haliburton	5	....	....	5
Halton	30	....	....	30
Hastings	13	Belleville	11	24
Huron	14	....	....	14
Kenora	2	....	....	2
Kent	18	Chatham	8	26
Lambton	12	Sarnia	2	14
Lanark	9	....	....	9
Leeds	13	....	....	13
Lennox and Addington	9	....	....	9
Lincoln	33	St. Catharines	25	58
Manitoulin	....	....	....	....
Middlesex	16	London	80	96
Muskoka	6	....	....	6
Nipissing	11	North Bay	11	22
Norfolk	19	....	....	19
Northumberland	9	....	....	9
Ontario	31	Oshawa	38	69
Oxford	25	Woodstock	15	40
Parry Sound	4	....	....	4
Peel	21	....	....	21
Perth	25	Stratford	9	34
Peterboro	3	Peterboro	43	46
Prescott	5	....	....	5
Prince Edward	16	....	....	16
Rainy River	3	....	....	3
Renfrew	20	....	....	20

MOTORCYCLE REGISTRATIONS—1926—*Continued.*

Counties		Cities		Total
Russell	17	....	....	17
Simcoe	45	....	....	45
Stormont	9	....	....	9
Sudbury	....	....	....	....
Thunder Bay	3	Fort William	17	
		Port Arthur	14	34
Temiskaming	16	....	....	16
Victoria	10	....	....	10
Waterloo	46	Galt	26	
		Kitchener	35	107
Welland	48	Niagara Falls	38	
		Welland	23	109
Wellington	8	Guelph	22	30
Wentworth	40	Hamilton	127	167
York	248	Toronto	1,454	1,702
Foreign	4	....	....	4
	1,061		2,284	3,345

Motorcycle Registrations—1926

Original	449	
Renewal	2,896	
		3,345

Chauffeur Registrations—1926

Original	10,479	
Renewal	29,034	
		39,513

REPORT OF MOTOR VEHICLES BRANCH, 1927
By J. P. BICKELL, Registrar of Motor Vehicles

This report shows in detail—(1) the motor vehicle registrations for the Province for the years 1904 to 1927, inclusive; (2) the motor vehicle registrations for the calendar year of 1927 arranged according to the residence of the owner and according to model, horse-power and number of cylinders of passenger cars, and the gross weight and type of tires of commercial vehicles; (3) a financial statement for the fiscal year which has been duly verified for accuracy by the Provincial Auditor; (4) a statement showing the revenue collected for motor vehicle permits, etc., from 1904 to 1927, inclusive; and (5) a summary of the convictions registered under The Highway Traffic Act as reported to the Branch by Police Magistrates during the calendar year.

(1) Registrations

The registration of all types of vehicles, as shown in the tables hereto attached, with the exception of motorcycles, increased in 1927 over 1926 notwithstanding the fact that the lowest-priced light car was off the market for most of the year.

(2) Suspensions and Revocations of Permits and Licenses

Police Magistrates are authorized to suspend permits and licenses for periods not exceeding six months for certain offences. The Minister, under section 46, is required to suspend the permit and license of anyone convicted of the offence of driving or being in charge of a motor vehicle while intoxicated, and under section 21 is empowered to suspend or revoke for any reason which he may deem sufficient. Suspensions following convictions, on a charge of "Reckless Driving," numbered 409. Those convicted of being intoxicated while operating, or being in charge of a motor vehicle while intoxicated, numbered 380. Other offences for which permits were suspended, numbered 44.

(3) Revenue

It will be noted that the revenue of the Branch shows a decrease from that of the fiscal year 1925-26. This is accounted for by a reduction of $5.00 in the fees charged for the registration of passenger cars, which reduction became effective on the first of January, 1927. A new item of revenue appears in the financial statement for the year, that of operators' licenses. The revenue from this source amounted to $444,476.88. The revenue from Chauffeur licenses shows a remarkable increase, being $85,056.52, or $37,339.60 more than collected in 1926.

The bringing into effect of the operators' license law on July 1st, resulted in a more rigid enforcement of that section of the Act requiring chauffeur licenses.

The revenue from transfers increased from $89,017.36 in 1926, to $131,334.43 in 1927. While there were no doubt many more sales of used cars in 1927, and consequently more transfers, the adoption of a new system of transferring permits is responsible for much of this increase in revenue. Under this new system, which has the approval of Council and is outlined in the regulations, the transfer fee of $2.00 must accompany the application and same must be made on the form prescribed on the back of the permit card. The Public Vehicle fees also show a decided INCREASE, reaching a total of $119,319.16.

(4) Highway Traffic Officers

The policing of the Provincial Highways by our force of Highway Traffic Officers was on account of the enormous increase in tourists from the United States, a problem which required considerable attention during the year. The Force was increased and brought up to a strength of seventy men. These Officers patrolling our highways on motorcycles were, I believe, very effective in preventing "Reckless Driving" and making our highways safe for all users. The policy of warning, rather than summonsing, for minor offences, was continued.

It is with regret that I record the accidental death of three officers, Messrs. McGillivray, McKay and O'Callaghan. These officers, while pursuing their regular duties, met with accidents which resulted in their almost instantaneous deaths. Accidents to our officers were more numerous this year than in any previous year, and several were confined to hospitals with broken limbs

(5) Public Vehicles

The licensing and regulating of the Public Vehicles, pursuant to the provisions of The Public Vehicles Act, has progressed favourably. The relations between the operators and the Department have continued to be one of complete co-operation. The type of vehicle and service being given has shown a decided improvement during the year.

A significant point in this branch of our work is shown by the fact that while in 1926 the number of operators totalled 107, and the number of vehicles totalled 384, in 1927 the number of operators licensed decreased to 103, while the number of vehicles increased to 480. This is accounted for by the amalgamation of one or two lines and the purchase by one of the largest corporations of the equipment and operating rights of several small operators.

(6) Public Commercial Vehicle Act

This Act, passed at the last session of the Legislature, has not yet been brought into effect. The Department is studying the situation insofar as motor truck operation is concerned. It would appear that the business of freight transportation by common carrier truck is in a stage of development which would seem to warrant a further delay in the enforcement of this Act designed to regulate such operations.

(7) Operators' Licenses

Part XII of the Highway Traffic Act was brought into effect by order of the Lieutenant-Governor-in-Council on the 1st day of July, 1927. This part of the Act requires that every operator of a motor vehicle, other than one holding a chauffeur license, shall secure a motor vehicle operator's license. The regulations passed pursuant to the Act provided that applicants who had driven for a period of six months and for a distance of 500 miles and had no physical or mental defects, could secure licenses without examination if applications were made before the 30th of November, 1927. Those who had not driven the required length of time and mileage, or had any physical or mental disability or disease, were examined before being licensed. These examinations disclosed the fact that many hundreds of disabled persons were operating motor vehicles. Licenses were refused to persons subject to epileptic fits, and persons who were disabled by the loss of a limb were restricted to the operation of a vehicle specially equipped to compensate for their disability, viz., a person having the use of but one leg was granted a license to operate a car only if equipped with a device which permitted the foot brake and clutch pedals to be operated simultaneously with one foot.

Applicants whose eyesight was defective to a point which, according to the Examiner and a registered Optometrist, prevented the proper operation of a motor vehicle, were refused licenses.

In all, 444,476 operators' licenses and 60,951 chauffeur licenses were issued during the year. This total of 505,427 licenses to drive indicates, I believe, that but few persons are operating without licenses. The total vehicles (passenger cars, commercial vehicles and motorcycles) registered in 1927, was 433,504.

Contrary to popular belief there are not in my opinion an average of two drivers for each vehicle. This fact is borne out by reference to other jurisdictions where operators' license laws are in effect.

(8) Lights on all Vehicles

On the first of October, 1927, an amendment to our Highway Traffic Act, requiring a light to be displayed on every vehicle on the highway, became effective. The only exceptions to this law are bicycles, tricycles, and certain horse-drawn vehicles, which are not structurally suited for carrying lighted lamps, and vehicles commonly used for conveying inflammable materials. Bicycles and tricycles are required to carry a red reflector on the rear, and the Department is permitted to make regulations respecting the display of reflectors on the other vehicles; also to approve of the reflectors to be used. The Regulations of the Department respecting the use of reflectors read as follows:—

Reflectors named in Schedule "A" hereto, may be displayed in lieu of lighted lamps on vehicles hereinafter specified, subject to the following restrictions:

1. Horse-drawn vehicles commonly used for conveying inflammable materials such as hay, straw, loose fodder and the like, or for conveying inflammable, explosive or highly volatile substances, such as coal oil, gasoline and the like, and horse-drawn vehicles commonly used without a box, body or container or otherwise structurally unsuitable for carrying lighted lamps when operated on any highway may have an approved reflector displayed thereon, and when such reflector is so displayed, a lighted lamp shall not be required to be displayed on such vehicles. Such reflector shall be attached to the left side of the vehicle, and shall reflect white to the front and red to the rear, or if owing to the construction of the vehicle, or the nature of the load carried thereon, it is not practicable to display the reflector on the side, then one reflector, reflecting red, shall be displayed on the rear, and one reflecting white shall be displayed on the front.

2. Trailers commonly used for conveying inflammable explosive or highly volatile substances such as coal oil, gasoline and the like, when operated on any highway may have an approved reflector displayed on the left side at the rear-end thereof, reflecting white to the front and red to the rear, and when such reflector is so displayed a lighted lamp shall not be required to be displayed on such trailer.

3. Reflectors displayed pursuant to these regulations shall be so attached that the reflecting surfaces are not obstructed by any portion of the vehicle, horses, trailer, or load, and are clearly visible to vehicles approaching from the front and rear respectively.

4. Nothing in these regulations shall affect the duties and liabilities of persons operating vehicles with overhanging loads as provided in section 34 of the Highway Traffic Act.

SCHEDULE "A"

Type and Name of Reflector	Maker of Reflector	Description and Specifications
Stimsonite Reflector.....	Stimson Reflector Co.....	Minimum size of reflecting surface twelve square inches.
Persons Vehicle Reflector..	Persons Majestic Manufacturing Co., Worcester, Mass.	Reflectors to correspond with samples on deposit in the Office of the Registrar of Motor Vehicles.

The value of a light or reflective signal on a horse-drawn vehicle cannot be disputed in these days of heavy vehicular traffic. One is inviting trouble to operate without such a signal, and long before the law became operative many farmers were displaying lights as a protective measure. There has been little or no opposition to this law. Drivers of horse-drawn vehicles have been quick to realize that it was designed to protect them and there has been a fairly general observance of the regulations. Accidents between motor vehicles and horse-drawn vehicles have been practically eliminated. The drivers of both classes of vehicles have, by the bringing into effect of this law, removed one of the worst hazards of night driving.

(9) Safety Campaign

During the month of October an intensive campaign to promote greater care in the use of motor vehicles on our highways was carried on. This Campaign sponsored, of course, by the Department, was executed by "The Highway Safety Committee," with the Hon. Mr. Henry as chairman. The members of the Executive of this Committee were Chairman, Hon. Geo. S. Henry; W. G. Robertson, Sec.-Treas. of the Ontario Motor League; Chief of Police Dickson, Toronto; J. F. H. Wyse, Manager of the Ontario Safety League; Thos. Marshall, Secretary of the Associated Boards of Trade; R. M. Smith, Deputy Minister of Highways; and the Registrar of Motor Vehicles, who acted as Secretary and Manager of the Campaign.

The Committee, by means of its first campaign of education, instruction, and a strict enforcement of the traffic laws, endeavoured to impress upon motorists and pedestrians the fact that most accidents are preventable, and that by the exercise of care, courtesy, and common sense, the street and highway fatalities can, and must be, reduced.

The campaign included newspaper advertising, posters, billboard displays, radio talks, motion picture slides, circular letters, and speakers for service club luncheons, etc. The newspaper advertising was directed to pedestrians—particularly to children, as well as to motorists. Garage operators were urged to install equipment for testing and adjusting headlights and brakes. They responded surprisingly well, and motorists by the thousands had these two essential parts of their vehicles put into good condition.

The Executive Committee received the wholehearted co-operation of the members of the Advisory Committee, which was composed of—all editors, heads of Municipal Governments, Police Chiefs, Presidents of Boards of Trade, Automobile Clubs and Service Clubs. Particular mention should, I believe, be made to the efforts put forth on behalf of the Campaign by the Press and the Motor Clubs.

It is difficult to measure the success of a campaign of this nature, but one can state, without fear of contradiction, that night-driving conditions have improved as a result of the attention given to headlights, and from all parts of the Province I am advised that there is greater care, courtesy, and common sense being exercised by the users of our highways.

The statements referred to in the first paragraph are appended hereto.

MOTOR VEHICLE REGISTRATIONS FOR THE YEARS 1904-1927 INCLUSIVE

Year	Passenger cars	Owned in Ontario	Others	Commercial Vehicles	Motorcycles	Public Vehicles		Chauffeur
						Vehicles	Oper.	
1904	535	.....	.....	.....	.....	.....	.....	.....
1905	553	.....	.....	.....	.....	.....	.....	.....
1906	1,176	517	659	.....	.....	.....	.....	.....
1907	1,530	550	980	.....	.....	.....	.....	.....
1908	1,754	589	1,165	.....	.....	.....	.....	.....
1909	2,452	1,020	1,432	.....	.....	.....	.....	.....
1910	4,230	1,977	2,253	.....	.....	.....	.....	.....
1911	11,339	7,338	4,001	.....	.....	.....	.....	.....
1912	16,268	11,939	4,327	.....	1,754	.....	.....	2,965
1913	23,700	17,750	5,950	.....	2,900	.....	.....	3,514
1914	31,724	25,308	6,416	.....	3,633	.....	.....	3,773
1915	42,346	36,661	5,685	.....	4,174	.....	.....	5,322
1916	51,589	50,587	1,002	2,786	4,287	.....	.....	5,966
1917	78,861	78,475	386	4,929	5,180	.....	.....	8,214
1918	101,845	101,599	246	7,529	5,002	.....	.....	10,629
1919	127,860	127,512	348	11,428	5,516	.....	.....	15,400
1920	155,861	155,519	342	16,204	5,496	.....	.....	19,563
1921	181,978	181,686	292	19,554	4,989	.....	.....	21,808
1922	210,333	210,008	325	24,164	4,799	.....	.....	25,301
1923	245,815	245,435	380	28,612	4,325	.....	.....	27,033
1924	271,341	270,876	465	31,488	3,941	50	102	29,676
1925	303,736	303,216	520	34,690	3,748	91	216	33,740
1926	343,992	343,586	406	39,012	3,345	107	384	39,513
1927	386,903	.....	.....	43,442	3,159	103	480	64,916

MOTOR VEHICLES BRANCH

Highways Department

Revenue for the Fiscal Year 1926-1927

Automobile permits	$3,836,415 33	
Commercial permits	1,308,553 88	
Trailer permits	16,781 34	
Motorcycle permits	12,094 80	
Automobile dealers permits	50,660 21	
Commercial dealers permits	4,315 02	
Motorcycle dealers permits	89 05	
Operators	444,476 88	
Chauffeurs	85,056 52	
Duplicate cards and badges	2,674 65	
Non-professional certificates	121 00	
Transfers	131,354 43	
In transits	14,402 50	
Garages	22,750 42	
Certificates	21 75	
Telephone commission	17 20	
Incomplete applications	94 50	
Miscellaneous	95 00	
Lists	1,869 42	
Fines	47,729 62	
Public vehicles	119,319 16	
		$6,098,892 68
Less		
Commissions deducted by agents	$130,763 00	
Express charges paid by agents	55 39	
Cheques charged back by Provincial Treasurer	1,097 88	
Balance due by agents	415 78	
Refunds deducted by Provincial Treasurer	1,697 00	
		134,029 05
		$5,964,863 63

Statement of Revenue collected during the fiscal years 1904-1927, inclusive

Year	Receipts
1904	$1,680 00
1905	1,142 00
1906	5,523 15
1907	8,098 50
1908	10,007 75
1909	12,418 75
1910	24,394 01
1911	50,831 22
1912	73,255 96
1913	105,558 95
1914	149,210 45
1915	334,759 78
1916	639,987 09
1917	930,753 00
1918	1,214,093 87
1919	1,580,146 61
1920	1,990,833 38
1921	2,945,360 36
1922	3,477,430 13
1923	4,296,009 32
1924	4,784,697 13
1925	5,638,993 45
1926	6,415,713 05
1927	5,964,863 63

SUMMARY OF CONVICTIONS REGISTERED UNDER THE HIGHWAY TRAFFIC ACT
1927 (CALENDAR YEAR)

	Section violated	Offence	Number of convictions
1.	5	No registration plates	349
2.	6	Defaced registration plates	231
3.	7 (1)	Improper registration plates	115
4.	7 (3)	Dirty registration plates	126
5.	10 (1)	No lights	2,207
6.	10 (2)	Too many lights of over 4 c.p.	22
7.	10 (7)	No rear lights	54
8.	10 (13)	Revolving light	3
9.	12	Trucks without mirrors	158
10.	14	Unnecessary noise	48
11.	17	No chauffeur license	70
12.	22	No garage license	5
13.	24	Exceeding speed limit	17,205
14.	25	Reckless driving	3,280
15.	26	Racing	4
16.	27	Speeding (heavy trucks)	....
17.	32	Excess load in March and April	....
18.	38 (1)	Passing standing street car	489
19.	38 (2)	Passing street car on wrong side	53
20.	41	Failure to return to scene of accident	131
21.	44	Operating while under age	77
22.	45	Persons hiring vehicles without license	....
23.	46	Driving while intoxicated	459
24.	69	Operating without operator's license	484
25.	Miscellaneous		277

PASSENGER CARS REGISTERED—1927

Counties	Total	Cities		Total
Algoma	2,248	Sault Ste. Marie	2,374	4,622
Brant	2,814	Brantford	3,338	6,152
Bruce	5,881	....	....	5,881
Carleton	4,106	Ottawa	9,368	13,474
Dufferin	2,646	....	....	2,646
Dundas	2,286	....	....	2,286
Durham	3,321	....	....	3,321
Elgin	4,781	St. Thomas	2,454	7,235
Essex	13,028	Windsor	8,431	21,459
Frontenac	2,740	Kingston	2,201	4,941
Glengarry	1,609	....	....	1,609
Grenville	1,906	....	....	1,906
Grey	6,338	Owen Sound	1,525	7,863
Haldimand	4,061	....	....	4,061
Haliburton	459	....	....	459
Halton	3,438	....	....	3,438
Hastings	6,168	Belleville	1,852	8,020
Huron	6,948	....	....	6,948
Kenora	639	....	....	639
Kent	8,126	Chatham	2,578	10,704
Lambton	6,088	Sarnia	2,648	8,736
Lanark	3,604	....	....	3,604
Leeds	4,446	....	....	4,446
Lennox and Addington	2,563	....	....	2,563
Lincoln	3,789	St. Catharines	2,823	6,612
Manitoulin	596	....	....	596
Middlesex	8,433	London	8,343	16,776
Muskoka	2,007	....	....	2,007
Nipissing	1,852	North Bay	1,421	3,273
Norfolk	4,136	....	....	4,136
Northumberland	4,260	....	....	4,260
Ontario	4,745	Oshawa	3,105	7,850
Oxford	6,207	Woodstock	2,315	8,522
Parry Sound	2,185	....	....	2,185
Peel	3,868	....	....	3,868
Perth	5,146	Stratford	2,183	7,329
Peterboro	2,793	Peterboro	2,555	5,348
Prescott	1,690	....	....	1,690
Prince Edward	2,836	....	....	2,836
Rainy River	1,198	....	....	1,198
Renfrew	4,322	....	....	4,322
Russell	1,266	....	....	1,266
Simcoe	10,227	....	....	10,227
Stormont	2,858	....	....	2,858
Sudbury	1,995	....	....	1,995
Thunder Bay	939	Fort William	2,089	.....
		Port Arthur	1,838	4,866
Temiskaming	3,612	....	....	3,612
Victoria	4,245	....	....	4,245
Waterloo	5,837	Galt	1,756	.....
		Kitchener	3,256	10,849
Welland	6,729	Niagara Falls	2,909	.....
		Welland	1,744	11,382
Wellington	5,019	Guelph	2,223	7,242
Wentworth	4,796	Hamilton	14,360	19,156
York	14,226	Toronto	74,566	88,792
Foreign	592	....	....	592
	222,648		164,255	386,903

Horse-power			
4-cylinder less than 25 horse-power	298,478		
4-cylinder more than 25 and up to 35 horse-power	1,704		
4-cylinder more than 35 and up to 50 horse-power	69		
		300,251	
6-cylinder less than 25 horse-power	45,460		
6-cylinder more than 25 and up to 35 horse-power	35,853		
6-cylinder more than 35 and up to 50 horse-power	2,402		
6-cylinder more than 50 horse-power	330		
		84,045	
8-12-cylinder more than 25 and up to 35 horse-power	50		
8-12-cylinder more than 35 and up to 50 horse-power	2,293		
8-12-cylinder more than 50 horse-power	228		
		2,571	
Electric		36	
			386,903
Models			
Opened cars		197,192	
Closed cars		189,711	
			386,903
Registrations			
Originals		63,740	
Renewals		323,163	
			386,903

COMMERCIAL CARS REGISTERED—1927

Counties	Total	Cities		Total
Algoma	153	Sault Ste. Marie	202	355
Brant	250	Brantford	510	760
Bruce	273		....	273
Carleton	389	Ottawa	1,412	1,801
Dufferin	133		....	133
Dundas	131		....	131
Durham	218		....	218
Elgin	321	St. Thomas	221	542
Essex	1,886	Windsor	1,458	3,344
Frontenac	188	Kingston	283	471
Glengarry	70		....	70
Grenville	166		....	166
Grey	270	Owen Sound	139	409
Haldimand	303		....	303
Haliburton	153		....	153
Halton	352		....	352
Hastings	402	Belleville	251	653
Huron	343		....	343
Kenora	115		....	115
Kent	572	Chatham	381	953
Lambton	402	Sarnia	217	619
Lanark	225		....	225
Leeds	344		....	344
Lennox and Addington	180		....	180
Lincoln	650	St. Catharines	499	1,149
Manitoulin	39		....	39
Middlesex	600	London	1,233	1,833
Muskoka	162		....	162
Nipissing	108	North Bay	110	218
Norfolk	430		...	430
Northumberland	419		....	419
Ontario	375	Oshawa	352	727
Oxford	547	Woodstock	183	730
Parry Sound	149		....	149
Peel	617		....	617
Perth	284	Stratford	200	484
Peterboro	166	Peterboro	278	444
Prescott	187		....	187
Prince Edward	266		....	266
Rainy River	112		....	112
Renfrew	259		....	259
Russell	115		....	115

COMMERCIAL CARS REGISTERED—1927—*Continued.*

Counties		Cities		Total
Simcoe	620		....	620
Stormont	254		....	254
Sudbury	259		....	259
Thunder Bay	118	Fort William	329	.....
		Port Arthur	223	670
Temiskaming	432		....	432
Victoria	254		....	254
Waterloo	499	Galt	215	.....
		Kitchener	383	1,097
Welland	693	Niagara Falls	442	.....
		Welland	250	1,385
Wellington	306	Guelph	242	548
Wentworth	956	Hamilton	2,099	3,055
York	2,077	Toronto	11,131	13,208
Foreign	407		....	407
	20,199		23,243	43,442

Tires

Pneumatic	37,439	
Solid	5,175	
Municipal	397	
Ontario Government Dominion Government	431	
		43,442

Gross Weights—Pneumatic Tires

Less than two tons	15,430	
Of two tons and up to three tons	16,802	
More than three tons and up to four tons	2,454	
More than four tons and up to five tons	1,225	
More than five tons and up to six tons	699	
More than six tons and up to seven tons	301	
More than seven tons and up to eight tons	274	
More than eight tons and up to nine tons	198	
More than nine tons and up to ten tons	56	
		37,439

Gross Weights—Solid Tires

Less than two tons	165	
Of two tons and up to three tons	1,599	
More than three tons and up to four tons	254	
More than four tons and up to five tons	409	
More than five tons and up to six tons	607	
More than six tons and up to seven tons	514	
More than seven tons and up to eight tons	688	
More than eight tons and up to nine tons	454	
More than nine tons and up to ten tons	214	
More than ten tons and up to eleven tons	69	
More than eleven tons and up to twelve tons	202	
		5,175
Municipal	397	
Ontario Government Dominion Government	431	
		828
		43,442

TRAILER REGISTRATIONS—1927

Counties		Cities		Total
Algoma	2	Sault Ste. Marie	5	7
Brant	14	Brantford	21	35
Bruce	12		....	12
Carleton	8	Ottawa	37	45
Dufferin	....		....	....
Dundas	2		....	2
Durham	2		....	2
Elgin	49	St. Thomas	7	56
Essex	126	Windsor	42	168

TRAILER REGISTRATIONS—1927—*Continued*

Counties		Cities		Total
Frontenac	1	Kingston	8	9
Glengarry	1	....	....	1
Grenville	3	....	....	3
Grey	8	Owen Sound	5	13
Haldimand	42	....	....	42
Haliburton	....	....	....	....
Halton	17	....	....	17
Hastings	23	Belleville	17	40
Huron	88	....	....	88
Kenora	1	....	....	1
Kent	54	Chatham	16	70
Lambton	37	Sarnia	16	53
Lanark	18	....	....	18
Leeds	12	....	....	12
Lennox and Addington	11	....	....	11
Lincoln	9	Sr. Catharines	21	30
Manitoulin	....	....	....	....
Middlesex	67	London	44	111
Muskoka	4	....	....	4
Nipissing	3	North Bay	6	9
Norfolk	42	....	....	42
Northumberland	13	....	....	13
Ontario	12	Oshawa	44	56
Oxford	56	Woodstock	5	61
Parry Sound	1	....	....	1
Peel	23	....	....	23
Perth	36	Stratford	12	48
Peterboro	3	Peterboro	6	9
Prescott	....	....	....	....
Prince Edward	11	....	....	11
Rainy River	1	....	....	1
Renfrew	8	....	....	8
Russell	....	....	....	....
Simcoe	18	....	....	18
Stormont	5	....	....	5
Sudbury	1	....	....	1
Thunder Bay	1	Fort William	2	....
		Port Arthur	4	7
Temiskaming	2	....	....	2
Victoria	9	....	....	9
Waterloo	23	Galt	4	....
		Kitchener	19	46
Welland	18	Niagara Falls	14	....
		Welland	12	44
Wellington	21	Guelph	11	32
Wentworth	19	Hamilton	150	169
York	57	Toronto	412	469
Foreign	28	....	....	28
	1,022		940	1,962

Trailer Gross Weights

One ton or less	1,301	
More than one ton and up to two tons	191	
More than two tons and up to three tons	122	
More than three tons and up to four tons	107	
More than four tons and up to five tons	123	
More than five tons and up to six tons	40	
More than six tons and up to seven tons	18	
More than seven tons and up to eight tons	37	
More than eight tons and up to nine tons	9	
More than nine tons and up to ten tons	13	
Municipal	1	
		1,962

MOTORCYCLE REGISTRATIONS—1927

Counties		Cities		Total
Algoma	27	Sault Ste. Marie	7	34
Brant	22	Brantford	27	49
Bruce	9	....	....	9
Carleton	23	Ottawa	157	180
Dufferin	3	....	....	3
Dundas	20	....	....	20
Durham	25	....	....	25
Elgin	16	St. Thomas	4	20
Essex	33	Windsor	43	76
Frontenac	9	Kingston	26	35
Glengarry	7	....	....	7
Grenville	11	....	....	11
Grey	12	Owen Sound	6	18
Haldimand	8	....	....	8
Haliburton	1	....	....	1
Halton	34	....	....	34
Hastings	11	Belleville	14	25
Huron	8	....	....	8
Kenora	2	....	....	2
Kent	21	Chatham	15	36
Lambton	14	Sarnia	6	20
Lanark	14	.....	.....	14
Leeds	13	....	....	13
Lennox and Addington	5	....	....	5
Lincoln	18	St. Catharines	29	47
Manitoulin	....	....	....	....
Middlesex	29	London	92	121
Muskoka	8	....	....	8
Nipissing	11	North Bay	9	20
Norfolk	20	....	....	20
Northumberland	12	....	....	12
Ontario	32	Oshawa	44	76
Oxford	31	Woodstock	12	43
Parry Sound	4	....	....	4
Peel	25	....	....	25
Perth	34	Stratford	29	63
Peterboro	12	Peterboro	14	26
Prescott	9	....	....	9
Prince Edward	12	....	....	12
Rainy River	4	....	....	4
Renfrew	18	....	....	18
Russell	17	....	....	17
Simcoe	39	....	....	39
Stormont	20	....	....	20
Sudbury	....	....	....	....
Thunder Bay	10	Fort William	19	....
		Port Arthur	19	48
Temiskaming	32	....	....	32
Victoria	13	....	....	13
Waterloo	40	Galt	28	....
		Kitchener	42	110
Welland	56	Niagara Falls	43	....
		Welland	26	125
Wellington	16	Guelph	28	44
Wentworth	49	Hamilton	134	183
York	196	Toronto	1,170	1,366
Foreign	1	....	....	1
	1,116		2,043	3,159

Motorcycle Registrations—1927

Original	434	
Renewal	2,725	
		3,159

Chauffeur Registrations—1927

Original	27,180	
Renewal	38,885	
		66,065

CHAUFFEUR REGISTRATIONS—1927

Counties		Cities		Total
Algoma	521	Sault Ste. Marie	376	897
Brant	339	Brantford	765	1,104
Bruce	714	....	....	714
Carleton	348	Ottawa	1,856	2,204
Dufferin	164	....	....	164
Dundas	300	....	....	300
Durham	382	....	....	382
Elgin	465	St. Thomas	362	827
Essex	2,241	Windsor	1,971	4,212
Frontenac	210	Kingston	497	707
Glengarry	147	....	....	147
Grenville	254	....	....	254
Grey	493	Owen Sound	389	882
Haldimand	513	....	....	513
Haliburton	67	....	....	67
Halton	735	....	....	735
Hastings	788	Belleville	373	1,161
Huron	701	....	....	701
Kenora	146	....	....	146
Kent	749	Chatham	662	1,411
Lambton	459	Sarnia	456	915
Lanark	443	....	....	443
Leeds	705	....	....	705
Lennox and Addington	309	....	....	309
Lincoln	641	St. Catharines	775	1,416
Manitoulin	15	....	....	15
Middlesex	695	London	2,282	2,977
Muskoka	425	....	....	425
Nipissing	542	North Bay	260	802
Norfolk	618	....	....	618
Northumberland	604	....	....	604
Ontario	643	Oshawa	761	1,404
Oxford	644	Woodstock	278	922
Parry Sound	331	....	....	331
Peel	495	....	....	495
Perth	443	Stratford	391	834
Peterboro	219	Peterboro	564	783
Prescott	299	....	....	299
Prince Edward	407	....	....	407
Rainy River	211	....	....	211
Renfrew	459	....	....	459
Russell	257	....	....	257
Simcoe	1,058	....	....	1,058
Stormont	494	....	....	494
Sudbury	74	....	....	74
Thunder Bay	70	Fort William	355	....
		Port Arthur	326	751
Temiskaming	1,135	....	....	1,135
Victoria	393	....	....	393
Waterloo	673	Galt	268	....
		Kitchener	577	1,518
Welland	1,234	Niagara Falls	750	....
		Welland	478	2,462
Wellington	421	Guelph	411	832
Wentworth	770	Hamilton	3,689	4,459
York	2,639	Toronto	16,949	19,588
Foreign	142	....	....	142
	29,244		36,821	66,065

SEVENTEENTH REPORT

OF THE

Department of Public Records

AND

Archives of Ontario

BY

ALEXANDER FRASER, LL.D., Etc.

1928

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To His Honour the Honourable William D. Ross, LL.D., Etc.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I have the pleasure to present for the consideration of Your Honour the Report of the Department of Public Records and Archives of Ontario for the year 1928.

Respectfully submitted,

J. D. Monteith,
Treasurer of Ontario.

Toronto, 1928.

The Honourable J. D. Monteith, M.D., M.P.P., Etc.,
Treasurer of Ontario.

Sir,—

I have the honour to submit to you the following Report in connection with the Department of Public Records and Archives of Ontario.

I have the honour to be, Sir,
Your obedient servant,
Alexander Fraser,
Deputy Minister.

Toronto, 31st December, 1928.

Ex Rebus Antiquis Erudito Oriatur

PREFACTORY

The original documents herein concern the peopling of Upper Canada from 1787 to 1791, inclusive. Wherever not given in full in the original form, the extracts reproduced are copious, no material point being omitted. In this the most approved method in such matters has been observed.

In recent years interest in the early history of Ontario—in her pioneer settlers, and in the gradual development of her varied public institutions—has been as gratifying as it has been noticeable. It is more and more realized that few, if any, of present-day activities are without their roots in the past. A great business concern glories in nothing more than in its venerable age; and a long-established firm carries its guarantee in its record of years.

Local history is being worthily appreciated. Every year now brings its tale of jubilee and centennial celebrations and the pioneer is everywhere coming to his own. The historical societies are expanding their fields of interest and research; the teaching profession is devoting, more than ever before, attention in the classroom, to the opportunities afforded for study by the uneventful annals of school section or township; and as an evidence of the attitude of the public, the newspaper press, by generous space, reflects and stimulates the interest of its readers.

But the most marked example is the action of the Women's Institutes of Ontario. That energetic organization whose branches number more than eleven hundred, with a very large total membership, has in recent years entered upon this work with commendable zeal. The Province has been divided into convenient regions, each district—usually a county—with responsible officers. For instance, the County of Wellington comprises five districts; and in Centre Wellington an Historical Research Society has been organized with a President, Secretary, a committee of five members and a Press Correspondent. This Society, with others, will be under the auspices of the district. The historical work of the Institutes, throughout the Province, is systematically carried on under the aegis of the Department of Agriculture; and the plan followed where applicable is on the general lines of the plan for a township history furnished by the Department of Public Records and Archives of Ontario. The Women's Institutes' definite aim is to make "collections of historical records and articles; compiling local and township history of individuals, industries, customs, developments, etc.; co-operating with the Provincial Archivist." This necessarily leads the searcher back to pioneer days when the land was first settled and communities first organized.

The enquiries for information as to the conditions of life in those early days are numerous and incessant. Thus the availability, for the first time, of the official documents here presented will meet a genuine and growing public demand; and to the student of history who takes a wider range, something is also supplied.

The period to which these papers refer takes on special importance as being the time when the political and social foundations of a new country were being laid. Upper Canada was on the threshold of settlement and the problems to be solved, in the absence of accumulated experience, were by no means easy of

solution, as will be learned from the reports of the several Land Boards and Committees from whose proceedings the selections obtained in this volume have been made. Everything was then in a rudimentary stage, the most difficult stage to formulate an adequate and enduring form of political organization. The allotment of land involved consideration of urban as well as of rural communities; of future trade and commerce, water powers, industrial centres with their possible requirements, such as their accessibility to navigable waters; and the economic development of natural resources. Nor was the situation in the new territory rendered the easier by the exigencies then existing in the lower part of the Province.

The Crown, through the medium of the Governor-General, was supreme. The Governor-General was assisted by a Council for which he assumed the responsibility, in so far as he concurred in its recommendations. The Governor-General appointed the District Land Boards, the four of which, for Upper Canada, being the Districts of Hesse (Western), Nassau (Niagara), Mecklenburg (Midland) and Luneburg (Eastern). These Boards reported periodically to the Council, a sub-committee of which examined and reported on the proposals made by the Boards. All but mere routine came under the purview of the Governor-General's office. This administrative system, simple and direct as it was, ensured a comprehensive sifting of public business, and furnished the means for a reasonable understanding by the Executive, of regional conditions and such special circumstances as might exist in places remote from the seat of government.

The form in which the records are here given is designed to show the mode of procedure and the sequence observed in the conduct of affairs. The documents shed light on points, not unimportant, in the history of British Colonial Administration.

Among the papers that will be found of special interest are those dealing with grants of land made to private individuals by Indians before the cession of the lands to the Crown; the Instructions, in detail, to the District Land Boards; the grants to loyalists and soldiers and the friendly attitude shown by Lord Dorchester in these matters; the workings of the Surveyor-General's Office; the difficulties in the way of making surveys expeditiously in some parts of the Province; the interest evinced in school and church reservations, and the detailed information regarding the personnel of the pioneer settlers—the sturdy type of men and women who cheerfully faced the deprivations of those early days.

ALEXANDER FRASER

GRANTS OF CROWN LANDS IN UPPER CANADA
1787–1791

The following documents are transcripts from the originals of the official Minutes of Council concerning Crown Lands in the Province of Upper Canada (Quebec) from 1787 to 1791. They have been transcribed from the Land Books A and B of the Council Office at Quebec.

Saturday, the 17th of February, 1787.

At the Council Chamber in the Bishop's Palace.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, John Collins, Adam Mabane, George Pownall, Jos. Gar. Ch. Delery, Picotté De Bellestre, John Fraser, Henry Caldwell, William Grant, Paul Roc De St. Ours, Francis Baby, Joseph De Longueuil, Samuel Holland, Esquires; Sir John Johnson, Baronet; René Amables Boucherville and Le Comte Dupré, Esquires.

His Excellency was pleased to name His Honour The Chief Justice, Sir John Johnson, Mr. Collins, Major Holland and Colonel Caldwell to be a Committee to assemble on Tuesday next, to examine and report, with all convenient speed, upon the following matters for His Lordship's information, in their several order, as gone through, viz., 1st, The memorial of Mr. Isaac Moseley, a loyalist; 2dly, Two memorials of Mr. Samuel Adams, a loyalist; 3dly, The application of Mr. Stone, a loyalist; with any other claims or applications for lands, from loyalists, that may require a speedy decision upon them.

Monday, 30th April, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Edward Harrison, John Collins, Adam Mabane, George Pownall, J. G. C. Delery, Picotté De Belestre, John Fraser, Henry Caldwell, William Grant, Paul Roc De St. Ours, Francis Baby, Joseph De Longueuil, Samuel Holland, Esquires; Sir John Johnson, Baronet; René Amable Boucherville, Le Comte Dupré, Esquires.

His Excellency was pleased to discharge Sir John Johnson from the Committee named on the 17th of February, and to name Mr. Finlay in his room.

Friday, 18th May, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Edward Harrison, John Collins, Adam Mabane, George Pownall, J. G. C. Delery, William Grant, Paul Roc De St. Ours, Francis Baby, Samuel Holland and Le Comte Dupré, Esquires.

His Excellency referred all the applications for lands to the Chief Justice and other four or more members of the Council, to report upon with all convenient speed.

Saturday, 19th May, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable The Lieutenant-Governor, and all the other members as yesterday.

Mr. Rocheblave: Read a petition of Mr. Rocheblave's, praying a grant of the Carrying Place, and lands at Toronto. Referred to the Committee for Lands.

Thursday, 31st May, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutneant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Thomas Dunn, Edward Harrison, John Collins, Adam Mabane, George Pownall, J. G. C. DeLery, Henry Caldwell, William Grant, Paul Roc De St. Ours, Francis Baby, Samuel Holland and Le Comte Dupré, Esquires.

Nothing relating to the Upper Districts was done this day.

Monday, the 25th of June, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Thomas Dunn, Edward Harrison, Adam Mabane, George Pownall, J. G. C. Delery, John Fraser, Henry Caldwell, William Grant, Paul Roc De St. Ours, Francis Baby, and Le Comte Dupré, Esquires.

Mr. Rocheblave prayed for lands at Toronto and for the Carrying Place there. The several petitions of Mr. Rocheblave's read. Ordered by His Excellency by the advice of the Council that the Surveyor or Deputy Surveyor-General report the survey of a location of one thousand acres not interfering with the establishment of a township of thirty thousand acres in that vicinity. And that the several petitions be in the interim referred to Messieurs Fraser, Bellestre, De Longueuil, Sir John Johnson and Mr. Boucherville who are to report thereon for the further consideration of Government respecting the other objects of the petitions.

Tuesday, 14th August, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Thomas Dunn, Edward Harrison, Adam Mabane, George Pownall, J. G. C. Delery, Henry Caldwell, William Grant, Paul Roc De St. Ours, Francis Baby and Le Comte Dupré, Esquires.

Peter Allaire: A petition of Mr. Peter Allaire for 20,000 acres of land on the River St. Francis was read. Referred to the Committee for Lands.

Friday, 24th August, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Thomas Dunn, Edward

Harrison, Adam Mabane, George Pownall, J. G. C. Delery, Henry Caldwell, William Grant, P. R. De St. Ours, Francis Baby and Le Comte Dupré, Esquires.

Officers of the 84th Regiment: A petition dated the 32d instant, of several officers in the 1st Battalion of His Majesty's late 84th Regiment of Foot for lands on the north side of the River Ottawa read. Referred to the Committee for Lands, to report with all convenient speed.

Monday, 19th November, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, William Grant, Thomas Dunn, Paul Roc De St. Ours, Edward Harrison, Francis Baby, Adam Mabane, George Davison, J. G. C. Delery, Charles DeLanaudiere, George Pownall, Henry Caldwell and Le Comte Dupré, Esquires.

Committee for Lands: On reading the Order of the 18th May last referring to a Committee the petitions of lands, it is ordered that that Committee consist of the Chief Justice, Mr. Finlay, Mr. Dunn, Mr. Caldwell, Mr. De St. Ours and Mr. DeLanaudiere. All other members attending to have voices. That in the absence of the Chief Justice, Mr. Finlay preside. That the Committee sit weekly, and that report be made from time to time on the respective petitions in such course as the merits of the several petitions shall appear to require.

Tuesday, 4th December, 1787.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Henry Caldwell, Hugh Finlay, William Grant, Thomas Dunn, Paul Roc De St. Ours, Edward Harrison, Francis Baby, John Collins, George Davison, Adam Mabane, Charles DeLanaudiere, J. G. C. Delery, George Pownall and Le Comte Dupré, Esquires.

Nathaniel Petit: A memorial of Mr. Nathaniel Petit for a grant of lands at Niagara, read. Referred to the Committee for Lands.

Joseph White: A memorial of Mr. Joseph White for a grant of a part of Grenadier Island above Oswegatchie, read; the like reference.

Friday, 25th January, 1788.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, Paul Roc De St. Ours, John Collins, Francis Baby, Adam Mabane, George Davison, J. G. C. Delery, Chas. De Lanaudiere, George Pownall and Le Comte Dupré, Esquires.

A Report of progress made by the Committee on the Crown Lands was read as follows:

> At a meeting of the Committee of Council to whom the petitions for lands are referred was held on Thursday, 3d January, 1788. Present: Messrs. Finlay, Collins, Grant, De St. Ours and DeLanaudiere.
>
> The Committee at several meetings examined the petitions lying on the table, and concluded to consider first, the claims founded on His Majesty's

mandamus; next, petitions from officers and soldiers of reduced corps, that had served during the late war—of suffering loyalists who took refuge in this Province—of such people as yet remain in the United States, who set forth that they have been persecuted on account of their known attachment to the British Government, and wish to remove to this Province.

Captain Frazer: The memorial of Capt. Frazer was next read. He is Agent for Colonel MacLean of the 84th Regiment, and he is joined by several officers of that reduced corps in a prayer that their respective portions of land, as likewise the portions of such officers and privates who served in that regiment as may think proper to join them, may be laid out on the north side of the Great, or Ottawa, River, adjoining to Mr. Panet's Seigniory. The Committee observe that Mr. Panet petitioned for an extension of the front of his seigniory on the 26th of December, 1786. The petition of the officers of the 84th Regiment for the same tract was not filed until the 24th of last August.

It seems to be a received opinion among those who hold lands as Seigneurs, or in Fief, in Canada, that they ought to have a preference in all grants of the Crown's waste lands, adjoining to their possessions. If such a rule were to take place in this instance, it would prevent a grant to the petitioners of the 84th who served faithfully during the last war, and who have been already disappointed. They set forth that lands were promised to them at Cataracoui in the year 1784, but they are yet without any settlement. They conceive that it was His Majesty's gracious intention to indulge them in the choice of location.

Roger Stevens: Read the petition of Roger Stevens late an Ensign in Major Rogers's Corps with a hundred and fifty associates, praying for lands on Misiscoui Bay (Lower Canada) running twelve miles back from the mouth of Pike River, to be bounded on the south by the line 45°. Mr. Collins here observed that it would be proper for the Committee to have before them a plan of that part of the Province which is bounded by the line run at the 45° of north latitude, that they may see how the applications that have been made for grants of lands in these parts interfere with each other. He at the same time informed the Committee that many prior applications have been made for lands in the tract petitioned for by Ensign Roger Stevens and his associates; so that, if regard ought to be had to the priority of applications for lands, Mr. Roger Stevens cannot have the tract he prays for. The plan was laid on the table.

Colonel Eleazer Fitch: The Committee next read the petition of Colonel Eleazer Fitch who served under General Amherst in the war before last; he is joined by John Worthington with a hundred and fifty more; the petition is dated from Brattleborough in the State of . . . , the 27th of last June, praying for a grant of forty townships seven miles square each, in fee simple, and to run northward of the line 45° along Misiscoui Bay and back to the lake Memphramagog eastward; that they may remove into this Province immediately with their families, to enjoy the blessings of a free government, which was lost to them when the Colonies threw off their dependence on Great Britain. That from their endeavours to prevent that fatal step, they became obnoxious to the leaders of that time, were persecuted and suffered severe losses in consequence of their loyalty to the King. Colonel Fitch's letter to Lord Dorchester, which is filed with the petition and dated at Montreal on the 13th of September last, sets forth the wishes of the petitioners with regard to the mode they would incline to

adopt for the internal regulation of the townships they pray for, and suggesting the plan they wish to pursue for their defence. The boundaries described in this petition include the tract applied for by Ensign Stevens and associates; it likewise takes in less tracts applied for by people residing in this Province, some of these applications were made in the year 1772.

Propriety of Encouraging Emigrants: The Members of the Committee are of opinion that the increase of people is the means of advancing the wealth and strength of any country, that therefore industrious men ought to be encouraged to come from all quarters to settle in this Province (more especially those who can bring effects along with them) provided they will take the oaths prescribed and are well attached to the British Government. Men will always be disposed to support that Government that protects them in their rights and where their property is in perfect safety.

American loyalists: The Committee conceive that Americans and others who have suffered in their persons and property, on account of their loyalty to the King, and attachment to the British interest, who have seen and felt the misery which the people of the Colonies (now the United States) brought on themselves, by throwing off their dependence on the Mother Country, are the most likely to be, and their posterity to remain steady supporters of the British constitution, ever ready to repel any force that may attempt encroachments on our territory, and counteract the workings of our neighbours, should they prove restless.

Priority of applications: The Committee therefore submit, whether it would not be to the advancement of His Majesty's interests that petitions for lands from all Americans who have retained their attachment to the British Government, and wish to remove into this Province, be immediately granted, on condition that they settle the lands they may obtain with good subjects in a limited time. And further, whether priority of application for a grant of any particular spot ought to be considered as a preferable claim unless the first petitioner shall undertake to settle it in as short a space of time as any other person who may have applied for the same land, may propose.

The Committee desirous to lay before His Excellency Lord Dorchester what has been done in the land business referred to them, have directed Mr. Finlay, in the absence of Mr. Smith, to report progress.

HUGH FINLAY in the Chair.

Ordered to lie on the table for consideration. And ordered also that it be marked on the several petitions of the officers and privates of the 84th Regiment: "Referred to the Surveyor-General to report a Survey."

Monday, 25th February, 1788.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable William Smith, Esquire, Chief Justice; Hugh Finlay, George Pownall, Thomas Dunn, William Grant, Edward Harrison, P. R. De St. Ours, John Collins, Francis Baby, Adam Mabane, Charles DeLanaudiere, J. G. C. Delery and Le Comte Dupré, Esquires.

The Honourable J. Cochrane: A petition of the Honourable John Cochrane, for a grant of land six leagues square on the River St. Francis, and submitting

therein a plan for the encouragement of the lumber trade, read. Referred to the Land Committee.

Madame De Lanaudiere and Madame De Verchere: A memorial of Madame De La Naudiere and Madame De Verchere, of the 21st instant, praying to be confirmed in the possession of a seigniory granted by the Baron of Longueuil and Monsieur Bigot in the year 1752 and situated at Cataraqui, to their deceased brothers, Messrs. Des Grais and Maricourt, read. The same, together with the papers accompanying it, are referred to the Land Committee.

Thursday, 20th March, 1788.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Henry Hope, Esquire, Lieutenant-Governor; William Smith, Esquire, Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, P. R. De St. Ours, John Collins, Francis Baby, Adam Mabane, Jos. De Longueuil, J. G. C. Delery, Sir John Johnson, Baronet; George Pownall, Chas. DeLanaudiere, Picotté de Belestre, R. A. Boucherville, John Fraser and Le Comte Dupré, Esquires.

His Lordship was pleased to order the third, fourth and fifth reports of the Land Committee to be laid on the table, for perusal, whereof follows a copy:

Extracts from the Third Report of the Land Committee.

To His Excellency The Right Honourable Lord Dorchester: In the second report which this Committee, appointed to consider the applications for grants of the waste lands of the Crown, had the honour to make, they omitted to inform your Lordship that certain papers presented by Mr. Isaac Mosely, a distressed loyalist, had been read last May, but no report thereon was then made; and as by your Lordship's Order of Reference the Committee are directed to report on his case, with all convenient speed, as likewise to report on all other applications that may require speedy decision, they again took up his memorial, wherein he sets forth, that in the month of February, 1784, he purchased a seigniory on the River Yamaska for £900 and spent the summer of that year in making the necessary preparations to receive 200 families well affected to the British Government, who had agreed to fix themselves on his lands.

He obtained leave from General Haldimand to bring his property into this country by the way of Lake Champlain in these words:

To all Officers, Civil and Military, whom it may concern, permit the bearer, Mr. Mosely, to pass from hence out of this Province and to return to it with his property by the way of Lake Champlain, without let or hindrance.

Given at Quebec, 20th February, 1784. Fred'k Haldimand.

The Committee observe that there is no restriction in that permit as to the kinds of effects Mr. Mosely might bring.

At his arrival in Connecticut, his ancient place of abode, he found it would be impracticable to transport the effects belonging to him and his friends (amounting to upwards of £30,000) by the way of Lake Champlain; he therefore returned to this Province with his wife and family only; and between two and three tons of leaf tobacco, which was stopped at the line 45 as inadmissible by the preventive officer at St. Johns, notwithstanding the Commander-in-Chief's permit above cited. The tobacco lay exposed to pilferage and open to the weather, and was totally damaged.

He proceeded to Quebec to obtain leave to bring his effects round from Connecticut by water in vessels of his own.

Every encouragement was held up to him by Lieutenant-Governor Hamilton, and by the officers of the Customs; General Haldimand had then left Quebec.

The collector informed Mr. Mosely that he could not, consistent with his duty, give him registers for his vessels before they were safe in this port but that he should have his (the collector's) and the comptroller's permit or license, which would protect them from seizure on the voyage.

On these assurances he wrote to his friends that they might look for a hearty welcome at this port; they thereupon embarked for this country with sanguine expectations of a cordial reception, but at their arrival here they were told that they must send back their vessels, as they could not get registers.

The following is a copy of the collector's and comptroller's permit delivered with his petition:

Port of Quebec.

These are to certify whom it may concern that in consequence of a recommendation from Lieutenant-Governor Hamilton, bearing date the 11th instant, to grant permission to Dr. Isaac Mosely, a loyalist, to transport his family and effects by sea from Connecticut, the place of his former residence, to this Province, where he has requested protection and actually become a settler, by having purchased a large tract of land for himself and a number of others, his friends under the same circumstances; we in obedience thereto have granted him this certificate to come to this port with his effects in security, agreeable to His Majesty's gracious intentions communicated to the Governor of this Province in the Secretary of State's letter of the 24th of July, 1783, he regulating himself by the resolve of Council the 24th December last. Given under our hands and seals of office at the Custom House this 12th of March, 1785. Thomas Ainslie, Collector. Thomas Scott, Comptroller.

To His Excellency Sir Charles Douglas, Commander-in-Chief, and the Captains commanding His Majesty's ships in North America:

Mr. Mosely further sets forth: That by these unlooked-for disappointments he has been plunged into the deepest distress, his seigneurie has been taken in execution and sold from his want of ability to make the stipulated payments; if his tobacco had not been stopped he could have done honour to his engagements; his plans have been totally overset, and his friends have been disappointed, and their fortunes have been hurt, through a misconception (as he verily believes) of the true intent and meaning of His Majesty's Order-in-Council for regulating the trade between the British subjects and those of the United States of America.

That order arrived at Quebec after he had obtained the Commander-in-Chief's permission to remove into this province with his effects; the King's Order-in-Council was not intended to have had a retrospective effect, as he conceives, the vessels being his property ought also to have got register, according to the collector's intention when he permitted them to be brought round to Quebec, as he thinks. By an estimate sworn to by Mr. Mosely and supported by sundry vouchers, it would appear that the loss he has suffered by the disappointments above stated amounts to £3,782-9 this money.

The Committee consider Mr. Mosely's as a very hard case; it does not appear to them that the losses he states arose from any misconduct on his part. The opinion which was formed at Quebec with regard to the effect which the King's Order-in-Council regulating our commerce with the subjects of the United States of America operated a refusal to admit Mr. Mosely's tobacco, even by the way of Lake Champlain, for it was generally considered here that

nought but provisions, live cattle and implements of husbandry could legally be brought in, even by suffering, persecuted loyalists.

The committee are of opinion that if Mr. Mosely had been suffered to bring in his effects freely, as General Haldimand intended, he might have settled himself comfortably on his lands at Yamaska, with two hundred industrious families around him who before the late troubles as he represents considered the British Government as the best adapted to secure the subjects' rights, and who have seen and felt, since independence was granted to the subjects of the United States, that their property and every civil right is insecure, for which reasons they wished to remove to this Province, where they might enjoy the blessings of a free government, the government of Great Britain under which they were born and which they endeavoured to support in the Province of Connecticut. The Committee therefore cannot help regretting that Mr. Mosely's schemes did not succeed. They are humbly of opinion that if it is Your Lordship's will to grant Mr. Mosely's prayer for a tract of land, he may yet be able in some measure to retrieve his losses and make a settlement with good men well attached to His Majesty's Government, who may, by examples of industry, promote the welfare of this province as farmers, and as ship-builders, and traders to the West Indies, which branches they proposed to follow. Men well attached to the sacred person of His Majesty will ever at the risk of their lives and fortunes support his Crown and dignity.

Levi Allen: The Committee took next into consideration the petition of Mr. Levi Allen of St. Johns; he applies for lands for himself and an hundred associates who now live out of the province. He simply sets forth that they wish for lands to make up for losses by them sustained in consequence of the late revolution in America. The petition is dated the 22d of November, 1786. Then was read a memorial of the same Mr. Allen to Your Lordship dated the 23d of Febry., 1787, in addition to his first petition. It was received at Quebec on the 30th June last, and incloses six lists containing 2090 names. Mr. Allen calls himself agent for these people, and prays in their behalf for a tract of land in that part of this province adjoining the States of New York and New Hampshire, and lying between the Bay of Misiskoui on the west and Lake Memphramagog on the east, the line 45° on the south and the River St. Francis on the north.

The lists No. 1 and 2 contain 1779 names which seem to be written by the same hand.

No. 4 contains 126 names, which seem to have been almost all wrote by one person.

No. 6 containing 31 names appears also to have been wrote by one and the same hand.

No. 3 contains 126 signatures seemingly by different hands but like all the other lists is deficient in not mentioning where the subscribers live.

No. 5 is dated at Arlington, every name but one (there's 28) seems to have been written by the same hand.

The Committee with deference submit, whether if Mr. Levy Allen can satisfy Your Lordship that the 2090 are men of good character, whose past conduct and present attachment to Great Britain and her laws, can be ascertained, they would not be a valuable acquisition to this province and contribute greatly to its internal strength.

Peter Alaire: Read the petition of Peter Alaire, a loyalist, dated in August, 1787, praying for 20,000 acres on the River St. Francis above the Indian village, that he may immediately settle 20 or 30 families (good subjects) thereon, who would bring with them 100 head of cattle.

'Tis the opinion of the Committee that the more people of that description that may be admitted, the more valuable will this province be to the Mother Country.

Dr. Samuel Adams: Simpson Jenné and Sam'l Rose: The petition of Dr. Samuel Adams, Simpson Jenné and Samuel Rose, with 79 associates, dated the 7th of Dec'r, 1786, was read, requesting lands as loyalists; likewise the petition of Samuel Adams in behalf of himself and constituents (more than a hundred) entitled to crown lands, dated in February, 1787, were read. The Deputy Surveyor-General informed the Committee, that he has laid out a township a few miles below Kingston for these people and some of them are already settled there.

Ensign Sherwood and others, Azariah Pritchard, Major Van Alstine, Captain Grass: The petition next taken up is signed by Ensign Sherwood and others, Azariah Pritchard, a Captain; Major Vanalstine and Cap't Grass. By information from the Deputy Surveyor-General, these petitioners have had their portions of land in conformity to His Majesty's instructions.

Mr. Rocheblave: Mr. Rocheblave attended the Committee on the 15th of February, to pray that his application for lands at Toronto might be taken into immediate consideration, because the approach of the spring presses for a decision on his request. He represents his case to merit as much attention as that of any suffering loyalist from the Colonies, now the States; that from his sincere attachment to the British Government and steady adherence to his loyalty he had been driven from his possessions at Kaskakias (Fort Gage); he lost his all and was afterwards imprisoned in a dungeon in Virginia from whence he contrived to make his escape.

Lands were promised to him in this province, but he is yet without any, for which reason he prays the committee to report to Your Lordship on his application for a grant of the portage or carrying-place of Toronto. The Committee having considered Mr. Rochblave's request as a suffering loyalist are of opinion that if Your Excellency shall see proper to establish the projected carrying-place between Toronto and Lake Leclaie (28 miles over) in consideration of Mr. Rochblave's having been the first to point out the advantages that would accrue to the upper-country trade by opening that communication, he may, if it is Your Excellency's pleasure that it be put into the hands of an individual, be indulged with a lease of it for a limited time, provided he agrees to conform to all such regulations as may be established by Government for the transportation of goods across it. The Deputy Surveyor-General informed the Committee that the lands petitioned for by Mr. Rochblave, in case he cannot obtain a grant of the carrying-place, are in Your Lordship's gift, none having as yet been laid off in that part of the province. He asks for 1000 acres for himself; and in a separate grant of lands for his wife, three sons and a daughter, to join his lands in such quantity as it may please Your Lordship to grant. The Committee see no objection, if it is Your Excellency's pleasure, to grant the lands prayed for

by Mr. Rochblave, provided the place he describes shall not be found to be the fittest scite for a town, in that case the lands Your Lordship may please to grant to him and his family may be set off at a convenient distance from the town.

Lieutenant Phineas Atherton: Lieutenant Phineas Atherton who served in 1760 in Watts' Rangers prays for 2,000 acres, as a Lieutenant in the late Royal Yorkers; he does not mention any particular place which he would prefer; his petition is accompanied with sundry certificates of his services during the last war.

David Harvey and 26 others: David Harvey, joined by 26 people, settled on that part of Caldwell Manor which lies on the south side of the line 45°, finding themselves in Vermont, wish to obtain grants of lands in this province desiring to live under British Government. They prefer the soil near Misiskoui Bay.

Nathaniel Petit: The memorial of Nathaniel Petit sets forth that he served ten years as a judge in the Court of Common Pleas in the Province of New Jersey; that he had been obliged to abandon that country in consequence of his endeavours to support the British cause; that he had been employed in raising men for the King's Service in which he had good success and that he has greatly suffered in his fortune. He prays for a Captain's allowance of land at Niagara. No reason appears to the Committee why Mr. Petit may not have the quantity of land he applies for, if it shall be Your Excellency's pleasure to extend the King's bounty to him.

Lieutenant Col. Butler: Lieutenant Col. Butler, in his memorial of the 12th of Nov'r, 1787, prays for lands in this Province in lieu of his right in sundry valuable tracts in the State of New York, which he lost in consequence of the active part he took in favour of Government against the revolted colonies, at a very early period of the late troubles.

From the very peculiar situation he stood in with respect to these lands when the rebellion broke out, the Commissioners for American Claims cannot, under the Act of Parliament, relieve him. He hopes, therefore, that his equitable right to a compensation will be considered by Your Excellency.

He values the right he had in these lands at £5,720, New York currency, the dollar at 8.

Lieutenant Alexander Chisholm: Lieutenant Alexander Chisholm of the Royal Battalion of the Garrison of New Providence prays for lands but no place is mentioned in his petition.

Sergeant Palmer: Sergeant Palmer of the Royal Yorkers prays for his proportion of land at Carillon.

John Lawlor and James Connel: John Lawlor and James Connel served as artificers in Quebec during the winter 1775-6; they pray for lots at Sorel, but do not say whether they wish for town or country lots.

Benjamin Holmes: Benjamin Holmes, a discharged soldier who served 29 years, prays for a town lot in Sorel and the rest of the land he is entitled to, at any place. Lots No. 34, 35, 36 in the Town of Sorel are vacant.

William Cameron: William Cameron, a loyalist, served under Brigadier-General Fraser, and prays for his proportion of land at Carillon.

Abraham and Samuel Holmes: Abraham and Samuel Holmes petition as distressed subjects, late merchants in Montreal. Samuel served as a volunteer at taking Ethan Allen prisoners in 1775; he was one of seventeen who turned out for the relief of Fort St. John. They pray for lands at Chateau Guay or at New Johnstown, with provisions and utensils for agriculture.

The Deputy Surveyor-General observed on the petitions of Lieutenant Chisholm, Sergeant Palmer, Lawlor, Connel, Ben Holmes, Cameron, and Abraham and Samuel Holmes that if Your Excellency pleases to grant lands to them, they may be laid out for them next summer in the upper parts of the Province.

John Shoemaker: John Shoemaker, a loyalist, petitions for a water lot in the Town of Sorel. The water lots have all been drawn for, but No. 34, 35 and 36 lots in other parts of the town are yet vacant and he may have one of these if it shall please Your Excellency to grant it.

Joseph White: Joseph White, a loyalist, prays for a grant of Grenadier Island to make up a deficiency in the quantity of land he is entitled to by the King's Instructions. He sets forth that he has had lands between the 7th and 8th Townships in the new settlements which were originally intended for a common. Mr. Collins observes that, if he is in possession of any part of that common, he obtained it through the mistake of some person or other. Mr. White has had his family's portions of lands, with a further bounty of 200 acres all in Elizabeth Township. It has not as yet (as Mr. Collins informed the Committee) been determined by Your Lordship whether any island in these parts shall be granted.

Joel Stone and Daniel Jones: The application of Isaac Ogden, Esq'r, in behalf of Messrs. Joel Stone and Daniel Jones, loyalists, for lands at Cananoque on the Grande or Outawa River, was considered by the Committee. A plan of the tract applied for, as surveyed by Mr. McNiff on the 23d of April, 1787, was exhibited. Mr. Stone further for himself prays for Lot 24 in the Third Township, said to be deserted by Michael and Jacob Denny.

The Deputy Surveyor-General remarks that the land of Cananoque has not been granted but that Sir John Johnson by his letter of the 5th of August last desires to have one or two hundred acres at that place, as he means to build a mill there immediately; and with regard to the lot of the Denny's, he says it is their property and can never be regranted to any person. Mr. Collins humbly thinks that the person to whom Your Excellency may please to grant these lands ought to engage to build grist mills there, as they would be of great convenience to the new settlements; and as there's iron ore in great quantity there. he ought to come under an obligation to work it.

Henry Ruiter and 381 others: Colonel Caldwell's letter dated the 5th of December, 1786, incloses the petition of Henry Ruiter, late a Captain in Rogers' Corps, and signed by 381 loyalists, the greatest number of whom were of corps that served in Canada last war and now live between St. Johns and Dutchman's Point. The petition among other things sets forth that in 1783 by General Haldimand's directions they had viewed and examined (at the expense of £50) the lands in the neighbourhood of Misiskoui Bay and back eastward towards Lake Memphramagog. They reported that they were satisfied with the soil and situation but they could not obtain the grant they expected; they therefore renew their application and now pray for eight miles in front north of the line 45° at or near Misiskoui Bay to extend eastward as far as Lake Memphramagog. The committee beg leave to observe to Your Excellency that the tract described in this petition has been repeatedly applied for prior to the year 1783.

Samuel Schwerdseger and 115 others, Germans: Read the petition of Samuel Schwerdseger, Minister of the Gospel, now living at Horick in the State of New York, dated the 10th of last April, and signed by 115 men of his parish, Germans, who have wives and children, making in all 444 souls desirous to remove from the dominion of the United States of America to live under British Government. They also pray for lands near Misiskoui Bay, but as the soil further on, northward, towards St. Francis River is equally good, a tract may be set off for them there, if it is Your Lordship's pleasure to receive them into this Province. It is a known fact that the German settlers in Pennsylvania and New York contributed greatly to raise these countries so rapidly to that thriving state which made them envied by all the neighbouring provinces, and it is the opinion of this committee that every German family which may be permitted to settle on the King's lands here will be a valuable acquisition to this Province. They will certainly thrive, and the report of their success will draw thousands of families to join their countrymen and live under the protection of the British Government.

Geo. Smyth and others: George Smyth, Esqr., of St. Johns, and others who took refuge in this Province, petition for the lands they are entitled to as loyalists about Lake Memphramagog and Pike River, presuming that they may be considered as the fittest people for settling the frontiers, seeing that they have manifested their zeal for His Majesty's Government repeatedly and at every risk and therefore that they may be looked on as men who will ever be ready to repel any attack made that way by the King's enemies. They express a great dislike of the tenure by which the lands were held under French Government and pray that their portions may be granted, as lands have been granted to loyalists in Nova Scotia and New Brunswick.

William Terril: William Terril, a suffering loyalist, prays for the lands he is entitled to by the King's bounty, as near Johnstown as possible. Mr. Collins says that he may have his allotment set off from the waste lands of the Crown nearest to Johnstown and that he may likewise have a lot in that town, if Your Excellency shall so order.

HUGH FINLAY, in the Chair.

Bishop's Palace, Quebec, 28th February, 1788.

Present in Committee: Messrs. Finlay, Collins, Grant, De St. Ours, De Lanaudiere.

Fifth Report of the Land Committee: To the Right Honourable Lord Dorchester, etc., etc.—The Committee appointed by Your Excellency in Council to examine the petitions for part of the waste lands of the Crown now on the Council table humbly report that at their weekly meeting of this day, Friday, the 14th of March, 1788 (present: Messrs. Finlay, Collins and De St. Ours), they read a petition from a hundred and seven people dated in Sussex County in New Jersey, the 29th of last September, setting forth that during the late war they were zealous loyalists and supporters of the King's interests as far as their abilities would admit; and that for their attachment to the British Government some of them suffered confiscations, some imprisonments and others were grievously fined, and they continue to suffer by oppression even to this day on account of their principles, and are desirous to become British subjects and settle a tract of land in this Province.

Joseph Smith: A letter from the Honourable John Penn to Your Lordship recommending Mr. Joseph Smith formerly of the King's Royal Regiment of New York as a good subject desiring to settle in Canada was next read.

The Committee are humbly of opinion that if the petitioners can satisfy Your Lordship of their attachment to the King's Government, an acquisition of so many good subjects would add to the strength and increase the riches of this Province.

HUGH FINLAY, in the Chair.

Council Chamber, 14th March, 1788.

Friday, 13th June, 1788.

Present: His Excellency The Right Honourable Guy, Lord Dorchester, The Honourable William Smith, Esqr., Chief Justice, Hugh Finlay, Col. Caldwell, Judge Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, George Davison, J. G. C. Delery, Charles De Lanaudiere, George Pownall, Le C'te Dupré.

North West Company: The report of the Committee on the application made in behalf of the merchants commonly called the North West Company read:

To His Excellency The Right Honourable Lord Dorchester, etc., etc.,—The Committee for examining applications for the waste lands of the Crown, at a weekly meeting this day, Friday, the 28th of March (present: Messrs. Finlay, Collins, Grant and Lanaudiere), on the application of the Honourable George Davison, took into their consideration a petition and memorial from Simon McTavish and Joseph Frobisher, in behalf of the company of merchants trading with the Indians under the designation of the North West Company, and they humbly inform Your Lordship that they perused the memorial with attention; it sets forth that the North West Company is burthened with a very heavy yearly expense, for transporting on men's shoulders from Lake Superior to the Long Lake (a distance of nine miles) great quantities of goods, the manu-

facture of Great Britain, which they import every year for supplying the Indians in the North West; they are obliged to hire no less than a hundred men for this service at high wages because the carrying-place is not practicable for carts nor could even a pack horse pass through it and, to save that annual expense they propose to open a road, and pray for a grant of one acre of land in width extending quite across from Lake Superior to the Long Lake.

The Committee beg leave humbly to report on this application that they have well weighed the scope of the North West Company's request and they think the petitioners have asked too much; but as they are sensible that the intercourse with the upper countries would be greatly improved and the Indian trade much facilitated by a road between those lakes, and as the North West Company are desirous to make a cartway across that portage, the Committee humbly submit whether in consideration of the great expense that must attend that work and the great advantage that would accrue from it to the Indian trade the North West Company may not be encouraged (provided the soil is no man's property) by an exclusive privilege for a term of years to carry all goods, wares and merchandise across, between the Lakes Superior and the Long Lake, the rates of carriage to be regulated as Your Lordship may think proper to direct, on condition that the Governor-General, or Commander-in-Chief for the time being, may put the road under the management of any person or persons appointed by His Excellency, or lay it open for all His Majesty's subjects on reimbursing the North West Company a reasonable proportion of the expense incurred by making the road.

HUGH FINLAY.

Quebec, 28th March, 1788.

Ordered by His Lordship with the advice of the Board that Messrs. Harrison, Caldwell and Baby and the gentlemen of the Council residing at Montreal communicate the report to the petitioners, receive their proposals, find ways and means to make the overture known to those concerned or interested in the Indian commerce, and then to make known to His Lordship what may be expedient to be carried into execution.

Extracts from the Tenth Report of the Land Committee were read, as follows: To His Excellency The Right Honourable Lord Dorchester,—The Report of the Committee for examining applications for the waste lands of the Crown.

On the 24th of April the Committee met. Present: Messrs. Finlay, Collins and Grant.

Capt. Thos. Darcy and 7 other loyalists: Read a petition from Captain Thomas Darcy and seven other loyalists setting forth that they intended to settle in Chaleurs Bay, and had locations there in view, but Mr. Shoolbred's survey having covered the scites they had chosen they abandoned their projects in that part of the Province and pray for lands on the south side of the Grand River above the Seigneurie of Vaudreuil, in the first Township on the Long Sault.

Prior applications for these lands are lying on the table, which may not be regularly reported upon according to the rule laid down by Your Excellency, before the claims of the loyalists have been first considered.

There does not appear to the Committee any reason why lands should not be granted on the south side of the Grand River to the petitioners.

Captain George Lawe: Then read the petition of Captain George Lawe, late of the 84th Regiment, praying for lands on the carrying-place leading from the River St. Lawrence over the Rivière des Capes to Lake Timiscouata.

The Committee are of opinion that if settlements could be made speedily on that portage, it would greatly facilitate the King's service by accelerating the speed of His Majesty's couriers and be of the greatest convenience to all persons passing between this Province and New Brunswick.

As there is but very little arable land on the portage, the petitioners for tracts there will not be many. The Committee are of opinion that whoever gets lands on the road leading to Timiscouata ought to settle a family for every thousand acres he obtains on that route and that within twelve months after the date of the patent. On these conditions they are humbly of opinion that Capt. Lawe's prayer may be granted if it is Your Lordship's will to indulge him in his wish.

At a meeting of the Land Committee on Friday, 2d May. Present: Messrs. Finlay, Grant, Collins, De St. Ours and De Lanaudiere:

Mr. Rocheblave, Toronto Carrying Place: Read Mons'r Rocheblave's representation of 23rd April concerning the portage of Toronto, wherein he states that it is thirty miles over and that the carrying-place of Niagara is but nine; he therefore conceives that the price of carrying goods across ought to be increased in proportion to the distance carried as the expense of horses, carriages and servants will be three times greater at Toronto carrying-place than it is at Niagara; and if it shall be Lord Dorchester's pleasure to grant him an exclusive privilege of carrying goods across from Toronto to Lake La Claie, he will undertake it on the following terms:

He will carry merchants' goods across at 5/ cur'y pr. ct. w.t., and every pack of peltries and furs 5/ cur'y pr. ct. w.t. The charge for carrying across Niagara carrying-place is for merchandise pr. ct. w.t. 4/6 New York or 2/9¾ Quebec curr'y, for every pack of peltries 5/ New York or 3/1½ Quebec money.

Mr. Rocheblave will carry batteaux in the same proportion. He will carry His Majesty's effects for double the price now paid at Niagara, which will make six shillings pr. barrel of two hundred weight, Quebec money; provided Government will allow him equal advantages with those granted to the present contractor for carriage across Niagara carrying-place; that is to say, twenty rations per day, and that all the carriages, horses and oxen taken away or destroyed by the Indians, or lost or destroyed whilst employed in transporting the King's effects, or in consequence of orders from Government, be paid for by His Majesty.

The Committee conceive that it may be proper to learn the opinion of the merchants concerned in the Indian trade, relative to the advantages the commerce in the upper countries might reap from a carrying-place at Toronto, and likewise to lay before them the prices at which Mr. Rocheblave proposes to carry merchandise across from Toronto to Lake La Claie, if it shall please Your Excellency to suffer a road to be cut there.

Monday, 12th May, 1788.

At a meeting of the Land Committee. Present: Messrs. Finlay, Collins, Grant and De Lanaudiere.

Captain Lauchlin McLean: The Committee proceeded to read a petition from Captain Lauchlin Maclean of the 60th Regiment, for 3,000 acres of land at

St. Regis, if so much waste land is there to be found; and for the quantity short of 3,000 at that place, he prays a grant at Carillon. The Deputy Surveyor-General informed the Committee that the lands prayed for at St. Regis are reserved for the Indians; but that there are lands vacant at Carillon, and Cap't McLean may have his 3,000 there; near the tract applied for by the Officers of the late 84th, if it shall please Lord Dorchester to grant it.

Lieutenant Neil McLean: Read Lt. Neil Maclean's petition as an officer of the late 84th Regiment, for 1,400 acres of land, the remainder of 2,000 he is entitled to at Carillon; he has had 600 acres. The petitioner, if it pleases Lord Dorchester, may have his quantity with the other petitioners of the late 84th at Carillon.

Major Edward Jessup, Captain Peter Drummond, Lieutenant John Dulmage, Edward Jessup, Michael Hoofnail, The Reverend Gideon Bostwick and George Dibble: The Committee next took up the petition of Major Edward Jessup in behalf of himself, Cap't. Peter Drummond, Lieu't Peter Dulmage and Edward Jessup, half-pay Provincial officers; and of Michael Hoofnail, late of New York; the Reverend Gideon Bostwick of Massachusetts, and George Dibble, Esqr., of Connecticut, which sets forth: that Messrs. Hoofnail, Bostwick and Dibble have manifested on many occasions the strongest zeal for His Majesty's Government and affection for his sacred person, and that they have suffered much in consequence of their inviolable attachment to the cause of Great Britain; that they desire to live under the British laws and remove to this Province with their families and all the property they possess, and that numbers of families well attached to the British constitution, tho' still resident in the United States, have applied to the petitioners to promote a settlement in this province, that they may remove hither.

The petitioners therefore pray that Your Lordship may grant unto them a tract of land for the purpose of accommodating these families desirous to live under the protection of the British laws and they describe the tract as follows: of the breadth of eight miles fronting upon the south bank of the Grand or Outawa River, viz't: four miles below and four miles above a certain stream running into the said river, so as to include the same in its centre as nearly as possible, for a length of forty miles; and then to run on in a straight line of the same breadth of eight miles, until it strikes the nearest settlements of loyalists on the River St. Lawrence.

The petitioners propose to divide this tract into townships of eight miles square, and to settle thirty-four families on every township within four years, else the proportion of land in any of the townships settled with less than 34 families to escheat to the Crown; but on the other hand where more than 34 families are settled on any township that surplus shall make up for the deficiency elsewhere.

They propose but a very small quit rent and to parcel out the lands on the same terms they may hold them by from the Crown, at the rate of 2 0 acres to the head of every family, and fifty acres to each person belonging to it besides.

A thousand acres are to be reserved at each of the four corners of every township, to be at the disposal of Government.

A plot of a mile square is to be set apart in every township as nearly in the centre as possible or as may be convenient, and four lots of a hundred acres each to be reserved, two of them to front on the town plot, with a glebe of 400 acres

for a clergyman, and 400 acres for a schoolmaster, together with room sufficient for a school and cemetery; all subject to such other conditions and restrictions as to Your Excellency may seem meet; and they pray that their petition may be taken into consideration soon, to enable them, should it please Your Lordship to grant their humble prayer, to give their friends timely notice to dispose of their property in the States, and in order that the petitioners may make the necessary preparations for the reception of these families on the lands prayed for.

The Committee remark on this petition that tho' the extent of land prayed for seems very great at first view, yet the tract (forty miles in length) will be equal to but five seigneuries of moderate bounds. Seigneuries before the conquest were granted to individuals without any obligation on the grantees to settle them. Here a tract of eight miles square is proposed to be settled by thirty-four families in the course of four years; and supposing every family to consist of five souls, the number of good subjects would be increased in that time in the settlement of five townships by 830 new settlers, adding force to this Province, for it is to be presumed that none but those whose attachment to the King and his Government is known can be admitted.

A seigneurie or township of eight miles square will contain in superficial acres 40,960; 34 families, or 170 persons at 160/240170 acres each would take up 40,960.

But the project of the petitioners is to retain in their own hands a certain quantity of land in compensation for trouble (and perhaps expense) in conducting the plan of settlement.

They propose to cede 200 acres to the head of each family and 50 acres to his wife and every child.

A township as above stated will contain 40,960 acres, 34 families will share 400 acres each or 13,600; reservations: 1,000 at every corner, 4,000; a town plot, 640; reservation near the town, 400; a glebe for a clergyman, 400; land for a schoolmaster, 400; (total), 19,440. There will remain in every township for the petitioners 21,520 acres or 3,000 acres to each of the seven.

The Committee humbly conceive that the general survey ought to be made by the Surveyor-General of the province or his deputy and that the expense of it ought to be paid by the petitioners. And that the whole tract may be regularly settled, no allowance ought to be made for the surplus settlers on any of the townships, but that 34 families shall be settled on each in the time proposed; and if it appears to Your Lordship that the project, if carried into execution, might add strength to the Province and increase its riches, the number of townships may be extended all the way to the settlements of the loyalists on the River St. Lawrence, as prayed in the petition; all which is humbly submitted to Your Lordship.

Hugh Finlay in the Chair.

Council Chamber, Quebec, 12th May, 1788.

Captain Thos. Darcy and other loyalists: The report of the Committee on the petition of Capt. Thomas Darcy and other loyalists from Chaleurs Bay, read.

Ordered by His Lordship with the advice of the Council that the Surveyor-General lay out a tract of thirty thousand acres according to the prayer of the petition and that there be assigned to the petitioners, within the same, and to other loyalists willing to associate with them, such proportions as have been surveyed and located for other loyalists in the new townships on the River

St. Lawrence, giving to each the usual certificates, pledging the faith of the Government for the Royal grant, upon application therefor, within such period as may be in such certificate expressed.

Capt. Lauchlin McLean and Lieut. Neil McLean: On reading the reports of the Committee relating to the petitions of Captain Lauchlin McLean and Lieut. Neil McLean, His Lordship and the Council concur in the reports of the Committee and order that the Surveyor-General report a survey of the tracts, and the Attorney-General a draft of the patent in favour of the petitioners respectively.

Mr. Rocheblave: On reading the report of the Committee relating to the petitions of Mr. Rocheblave concerning the portage at Toronto, ordered by His Lordship with the advice of the Board that Messrs. Caldwell, Harrison and Baby and the gentlemen of the Council residing at Montreal communicate the report to the petitioner, receive his proposals, find ways and means to make the overture known to those concerned or interested in the Indian commerce, and then to report to His Lordship what may be expedient to be carried into execution.

Major Edward Jessup and others: On reading the report of the Committee relating to the application of Major Edward Jessup and others, ordered to lie on the table.

Thursday, 19th June, 1788.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable Mr. Chief Justice Smith, Mr. Finlay, Col. Caldwell, Mr. Dunn, Mr. Grant, Mr. Harrison, Mr. Baby, Mr. Collins, Mr. Davison, Mr. Mabane, Mr. De Lanaudiere, Mr. Delery, Mr. Pownall and Mr. Dupré.

An estimate of expenses, by Mr. Collins, Deputy Surveyor-General, of a survey of lands to be laid out for the loyalists in the upper districts, was read, referred by His Lordship, with the advice of the Council to the Chief Justice, Mr. Dunn, and Mr. Delery, to take the same into consideration and report with all convenient speed.

Monday, 30th June, 1788.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable Mr. Chief Justice Smith, Mr. Finlay, Col. Caldwell, Mr. Dunn, Mr. Grant, Mr. Harrison, Mr. De St. Ours, Mr. Collins, Mr. Baby, Mr. Mabane, Mr. De Lanaudiere, Mr. Delery, Mr. Pownall and Mr. Dupré.

The following report was read:

My Lord: At a meeting of the Committee, viz., the Chief Justice, Mr. Dunn and Mr. Delery, appointed by Your Lordship on the 19th instant to consider Mr. Collins's estimate for the expense of certain surveys intended to be made in the upper districts, the Committee humbly report:

That they were attended this day by Mr. Collins, and upon his representation were of opinion that it does not appear to be expedient at present to make any additional surveys within the several townships, in parcel already surveyed into lots, there being sufficient for the employment of the settlers in the cultivation thereof for several years to come.

That to satisfy the officers and privates of the 84th Regiment it will suffice to take two stations on the Outawa River at such a distance from each other,

as may serve for the side of a convenient township of thirty or forty thousand acres, and to run the course of the river between them, and afterwards to grant them their proportions between the two parallels perpendicular to the main course of the riverside line.

That a similar mode will be proper for accommodating the loyalists who may apply for other townships; except that in the latter case it may be necessary to run out the lots of one or two tiers from the front to avoid confusion in their locations, and that they may the more speedily proceed to the culture of the lands. All of which is most humbly submitted to Your Lordship's great wisdom.

WM. SMITH, Chairman.

Quebec, 23d June, 1788.

His Lordship and the Board concur in the report of the Committee.

The report of the Committee on the application of sundry Canadian gentlemen and others, who served in the siege of the Fort of St. John and in the affair of Bennington, read as follows: The Committee, appointed to consider the applications for waste lands of the Crown, beg leave humbly to report to Your Excellency, that at their meeting this day; present: Messrs. Finlay, Collins, Grant and De Lanaudiere.

They read the memorial of Monsieur Berthelot D'Artigny inclosing a paper intituled "Retour des personnes qui se sont trouvés dans le blocus de St. Jean, et d'autres dans l'affaire de Bennington, à qui Milord Dorchester veut bien accorder des terres pour recompense de leurs services."

The list contains fifty-one names and it is certified by the Honourable Jos. De Longueuil to be correct.

The memorialist in behalf of the persons whose names are entered on the list prays that Your Excellency may order grants of lands to be made to each according to the rank in which he served.

The Committee on the information of John Collins, Esqr., the Deputy Surveyor-General, find that there are vacant lands appertaining to the Crown adjoining the tract set apart for the Canadian companies, and if it shall be Your Lordship's will to grant the request of the petitioners lands may there be laid off for them in such proportions as it may please Your Excellency to order: which is most humbly submitted.

HUGH FINLAY, in the Chair.

Quebec, 27th June, 1788.

His Lordship and the Council concur in the report of the Committee. Ordered that the Surveyor-General report a survey.

Asa Porter: The report of the Committee on the application of Mr. Asa Porter for thirty thousand acres of land on the east side of Lake Memphramagog in Lower Canada read as follows: At a meeting on Friday, the 20th of this month; present: Messrs. Finlay, Grant and De Lanaudiere. They considered the petition of Colonel Asa Porter referred to this Committee by Your Lordship, which sets forth that at the breaking-out of the late troubles in the colonies, now the States of America, he took a decided part in support of the King's government, and in consequence thereof he suffered greatly in his person and property. He applied to the Commissioners for American claims for compensation of his heavy losses, but he found no relief from that quarter. Colonel Dundas' indorsation on the back of his written application to that Board

runs in these words: "As Mr. Porter has presented no claim within the time limited by Acts of Parliament, the Commissioners have no power to consider his losses or services. (Signed) T. DUNDAS."

He further represents that on the cessation of hostilities he was desirous to become a settler in this Province and he now prays that he may enjoy the protection of that government in support of which he has suffered and begs to obtain a tract of land so situated as that he may bring in his property from New Hampshire in cattle. He prays for 30,000 acres on the east side of Lake Memphramagog in the angle formed by the said lake, and the line 45° of n. latitude, said tract to extend northerly from the said line by said lake eight miles on a straight line, and thence easterly to comprehend the quantity of 30,000 acres aforesaid.

He states that he can bring many people into this Province from the neighbouring states, well known to have been firm friends of the British Government, and who retain their attachment to the Mother Country; who stood foremost in openly asserting the rights of Great Britain and who suffered on that account.

He could induce shipbuilders (who are now out of all employment in the States) to remove to the new town at William Henry, a place which is much to be preferred in point of situation for shipbuilding, to any building town in New England.

He wishes the tract he prays for as some compensation for his services, losses and sufferings, may be granted to him in free and common soccage, and under such restrictions as to Your Lordship may seem meet.

The Committee will not trouble Your Excellency with a repetition of their opinion touching the many advantages that would accrue to this Province from the accession of numbers of industrious settlers from the neighbouring states who can bring certificates of their good behaviour and steady adherence to their loyalty during the American troubles.

The acquisition of expert shipbuilders would be of the most solid advantage to the commercial interest of this Province; there's abundance of oak timber of superior quality in the upper parts of this Province which can with ease be floated down to William Henry, a place well situated for shipbuilders. Great quantities of oak may be imported from Lake Champlain in exchange for the manufactures of Great Britain.

The Committee beg leave humbly to observe that if it is Your Lordship's pleasure to give a preference to prior applications they conceive that the petition of Col. Eleazer Fitch of the 14th of Sept., 1787, will cover the tract applied for by Mr. Porter. All of which is most humbly submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 28th June, 1788.

Ordered by His Lordship with the advice of the Council, that the petitioner be notified that the merits of his petition will be taken into consideration, when he thinks proper to prefer a supplemental petition for some other tract of land, a prior application having been made by Colonel Fitch for the tract described in his present petition.

Tuesday, 22nd July, 1788.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable William Smith, Esqr., Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, P. R. De St. Ours, John Collins,

Francis Baby, Adam Mabane, Chas. De Lanaudiere, J. G. C. Delery, Le C'te Dupré, Esquires. Read the fifteenth report of the Committee for examining applications for grants of the waste lands of the Crown, held on the 20th June, Messrs. Finlay, Grant, Collins, De Lanaudiere present:—The Widow of Lieutenant Duncan Murray: Read the petition of the Widow of Lieu't Duncan Murray formerly of the 84th Regiment, on behalf of herself and children, as well as on behalf of Quarter-Master John Murray of the said Regiment. She prays for 4,000 acres of land near the Fort of Niagara on the west side of the river, 2,000 in right of her deceased husband, L't Murray, and 2,000 for Quarter-Master Murray, together with such quantity as she and her children may be entitled to. The Committee are of opinion that her prayer cannot be granted, but that her late husband's proportion of land, with the lands that Quarter-Master Murray may be entitled to, together with what it may please Your Lordship to grant to the Widow Murray and her children may be laid out for them on the Outawa River to join the lands applied for by the officers of the 84th.

Col. Wm. Fortune: On the 2nd of July the same members that attended at the last meeting, joined by Mr. De St. Ours, assembled and read the memorial of Col. William Fortune referred by Your Excellency on the 26th June.

He therein states that he is a native of Ireland, that he resided 24 years in South Carolina where he was possessed of great landed property at the commencement of the late troubles. He opposed the American leaders from the beginning and did all that lay in his power to suppress the rebellion.

He was made Captain of Guides and was afterwards appointed to the Command of the Militia by the King's General at the head of the forces in South Carolina, and he acted with His Majesty's troops until the evacuation of Charlestown, when he embarked with his family for England.

He has returned to America with his wife, six children and two servants to settle in this Province.

He prays for lands on the south side of the Outawa River in such proportion as he may be entitled to from his commissions and the number of persons in his family as he intends to begin to improve the same immediately.

The petitioner shews very ample certificates of his having been well esteemed and usefully employ'd by the Commanders of His Majesty's Forces in Carolina, and that he was active on service.

The Committee humbly inform Your Lordship that Colonel Fortune may have good lands on the Outawa River, in such quantity as it may please Your Excellency to order to be laid off for him, near the lands pitched on by the officers of the 84th Regiment or further up the River.

Col. Eleazer Fitch: The Committee proceeded to read the memorial of Colonel Eleazer Fitch praying permission to alter the description of a tract of land petitioned for by him on the 14th of September, 1787.

The Committee find that they had considered that petition to be comprehended in a large tract applied for by Col. Fitch, John Worthington and others, which application was reported on the 3d of last January, but on reperusing Col. Fitch's petition they perceived it to be a distinct application; and it sets forth that early in life the petitioner entered into His Majesty's service; he

commanded a Provincial Regiment during the War of 1755. He served under General Amherst and was at the reduction of Canada.

That at the commencement of the late rebellion in America he took a decided and active part in opposing the measures pursued by those who were endeavouring to mislead the people.

That he became obnoxious to the demagogues, was deprived of his office of sheriff, was persecuted, accused of high treason against the state, imprisoned for six months, and then bound over in the sum of ten thousand pounds to stand trial. In 1780 he was tried and tho' acquitted was condemned to pay his own costs, with all the costs of his prosecution.

That by these persecutions on account of his steady adherence to his loyalty, he has been reduced from affluent circumstances to a state of dependence and distress. He states his losses to amount to £7,110 lawful money at 6/ per dollar.

He prays for a grant of land 14 miles square on the east side of Lake Memphramagog, bounded on the south by the line 45° on such terms as may be consistent with His Majesty's instructions to Your Excellency relative to lands to be granted to the King's loyal subjects in America.

He concludes by stating that he has twelve children and forty grandchildren whom he wishes to deliver from the tyranny and oppression of congress and place them where they may be free, safe and happy, which he is sensible can be no where so effectually done as within the British Government. And he prays that if the tract by him described cannot be granted to him, that an equal quantity may be laid out for him wherever His Excellency Lord Dorchester may think proper, which he will thankfully accept and improve to the best in his power.

The Committee next read his memorial of the 26th June last, praying that the tract described in his petition of Sept., 1787, may begin at the eastern side of Lake Memphramagog, where the line of the Province crosses that lake, thence running east and bounding south on said line three leagues, thence northeasterly in the nearest and most direct course to the western branch of the River St. Francis, thence down said river until it comes to the place where the stream that flows from the north end of Lake Memphramagog empties itself into the said River St. Francis, thence southerly along the eastern bank of the said stream and the eastern bank of Lake Memphramagog to the first-mentioned boundary.

The Committee on looking into the survey of Lake Memphramagog and St. Francis River do not find the westerly branch laid down; but they find the north end of the stream which issues from the lake is about seventeen miles in a northeasterly direction from the easterly boundary described in Col. Fitch's memorial, so that, supposing no westerly branch of St. Francis River to exist, to draw a line from the said easterly boundary on the line 45° to the mouth of the stream issuing from Lake Memphramagog and which falls into a lake called by the Indians Saswanenepus (and so marked on the Survey) the tract last prayed for would contain less than that described in the petition of the 14th Sept., 1787.

The Committee perceive no inconvenience that can arise to the Crown from altering the bounds as prayed for, as soon as it shall please Your Lordship to grant lands near the line 45°.

They deem it to be unnecessary to repeat their remarks on the manifold advantages that would accrue to this Province in having those parts immediately settled with people well attached to Great Britain and to her government, and who have a reverence for her laws. They are of opinion that the petitioner may be able to settle rapidly such tract as it may please Your Lordship to grant him.

with industrious families under that description. All which is nevertheless most humbly submitted to Your Lordship's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 2d July, 1788.

Read the sixteenth report of the Committee:
To His Excellency The Right Honourable Guy, Lord Dorchester, etc.:

The Three Canadian Companies: Report of the Committee (viz.: Messrs. Finlay, Collins, Grant, De St. Ours and De Lanaudiere) on the petition of Cap't. De Rouville, Captain De Boucherville and Captain Desaunier, in behalf of themselves, and for the rest of the officers of three Canadian Companies, who served during the last war, and for the soldiers of those companies and on the memorial of Asa Porter.

The petitioners pray that they may be considered in the distribution of the lands which it has pleased His Majesty to allow to loyal subjects in consideration of their services, according to their rank, and that these lands may be laid off for their use on the banks of Lake St. Francis above Montreal.

The petitioners further pray that they may be furnished with provisions.

The Committee from the information of Mr. Collins, the Deputy Surveyor-General of Lands, find that the lands prayed for are not granted, so that Captains De Rouville, Boucherville and Desaunier, if it shall please Your Lordship, may have such portions at the Lake St. Francis as Your Excellency may order to be laid off for each; and any other officer or soldier making application for lands in consequence of his having served in one of the three companies, may there have such portion laid off for him as Your Lordship may please to direct.

As Your Excellency's reference to this Committee authorizes them to report on claims and applications for lands only, they make no remark on the request made by the petitioners for provisions.

Colonel Porter: The Committee proceeded to read a memorial from Colonel Asa Porter to Your Lordship praying that the 30,000 acres of land for which he petitioned Your Excellency on the 13th of May last may be laid off for him adjoining to whatever tract may be hereafter granted to Col. Eleazer Fitch, as he finds the place he first wished to locate is covered by a prior application.

The Committee humbly inform Your Excellency that their report on Mr. Porter's original application was made on the 28th June. They are of opinion that if it shall seem meet to Your Lordship to grant his prayer for a tract of vacant lands of the Crown, they do not see any objection to its being laid off adjoining such lands as it may please Your Excellency to grant unto Col. Fitch. All which is most humbly submitted to Your Lordship's wisdom.

HUGH FINLAY, in the Chair.

Quebec, Council Chamber, 11th July, 1788.

Three Canadian Companies: The report of the Committee on the petition of Captains De Rouville, De Boucherville and Desaunier, in behalf of themselves and the other officers, as well as privates of the three Canadian Companies, read; ordered by His Lordship with the advice of the Council that the Surveyor-General report a survey, and the Attorney-General a patent.

Colonel Fitch, Colonel Porter: The reports of the Committee on the petitions of Colonel Fitch and Colonel Porter read. Referred by His Lordship with the advice of the Council to the Chief Justice and the whole Council who, if they shall be of opinion in favour of the prayer of the petitioners or either of them, are charged therewith to state the reasons upon which the same shall be founded.

Wednesday, 23rd July, 1788.

Present: His Excellency The Right Hon'ble Lord Dorchester, The Hon'ble William Smith, Esquire, Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, P. R. De St. Ours, John Collins, Francis Baby, Adam Mabane, Charles De Lanaudiere, J. G. C. Delery, Le C'te Dupré, Esquires. Read the eighteenth report of the Committee in the words following, viz't (extract):

Isaac Mosely: The memorial of Isaac Mosely was next considered; 'tis dated the 14th of this month and referred by Your Lordship to this Committee on the same day.

He therein repeats his prayer of Feby, 1787, for a tract of land on the River Yamaska or if that cannot be granted, a tract on the east side of Lake Memphramagog, but if he can obtain neither of these grants, he prays for a tract adjoining Mr. Dunn's Seigneurie, part of which (about four miles square) lies north of the line 45°, the other part being south of the line and in Vermont; and he describes the tract thus: beginning at the province line on latitude 45° at a point twenty-one miles east of the eastern bank of Misiscoui Bay, then running north seven miles, thence west and parallel to the Province line, until it comes to lands already granted, thence southerly and bounded by said granted lands until it comes to Misiscoui Bay and Mr. Dunn's lands until it comes to said Dunn's north-east corner, thence south to the Province line, thence east to the first-mentioned bounds.

The memorialist concludes by assuring Your Lordship that he can immediately settle that tract which will make . . . Townships, with good farmers, people of known attachment to His Majesty and the British Constitution.

The Committee humbly represent that they stated Mr. Mosely's hard case in their third report to your Lordship on the 28th of last February.

If when it shall seem meet to Your Excellency to order lands to be laid out near the line 45°, to those who have applied for tracts in that quarter, and the petitioner, Mr. Mosely, may be indulged with a grant of one of the tracts he has described in his sundry applications, the Committee conceive that he may be able to bring skilful husband-men into the Province; and if, as he says, the settlers he will import shall be attached to the British Constitution, their being seated near the line may greatly strengthen this country, but the Committee beg leave again humbly to observe that there have been sundry applications made for these lands, prior to any of Mr. Mosely's petitions; but it will always remain with Your Excellency to grant those lands to such persons as Your Lordship may consider to be best entitled to a preference, whether for past services or as compensation for losses and sufferings on account of the petitioners' adherence to their loyalty, or to petitioners having more ability to settle and cultivate those tracts in the time prescribed than other petitioners for the same tract.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

By order of the Committee.

Quebec, 16th July, 1788. HUGH FINLAY, in the Chair.

Lieut.-Col. Jas. Holmes: The Committee beg leave to add their report on the memorial of James Holmes, Lieutenant-Colonel of the late Corps of West Chester Refugees, commanded by Col. James Delancey, praying that he may be permitted to choose between Johnstown and the head of the Bay of Quinte such proportion of land as he may be entitled to on a certain certificate signed by Col. Delancey, which is annexed to his memorial in the following words, viz't:

I was for many years before the late contest between Great Britain and America acquainted with Col. James Holmes, late of West Chester County; have frequently been told and believe he possessed very considerable property in the County of West Chester. His private character was unblemished, he discharged his duty in the several offices he held both civil and military to universal satisfaction; he has suffered much in person and property in the late contest; after escaping a lengthy imprisonment he joined the Corps of West Chester Refugees under my command and was appointed Lieut.-Colonel of the said Corps and had the command of almost every party that was sent against and in pursuit of the enemy in all of which he distinguished himself as a brave and good officer. JAMES DELANCEY.
New York, 7th June, 1783.

Mr. Holmes further prays that when he shall have pitched upon a tract to his liking he may have leave to call on a surveyor to measure off the quantity Your Lordship may please to allow him.

Capt. Simeon Covell: The Committee further report on the memorial of Simeon Covell, a reduced Captain of His Majesty's late Loyal Rangers, referred to them by Your Lordship.

That he prays for leave to fix on the quantity of land he may be entitled to in consequence of the Royal bounty, and such additional bounty as it may please Your Excellency to extend to him, between Oswegatche and Cataracoui.

The Committee on the information of the Deputy Surveyor-General humbly represent that the Messieurs MacDonnald, Deputy Surveyors, are at this time laying out three townships by Your Lordship's order in that part of the country where Colonel Holmes and Capt. Covell wish to settle, and if it shall please Your Excellency to give directions to Mr. Collins concerning the quantity of land Your Lordship pleases to allow to these gentlemen, they may be put in possession without delay.

HUGH FINLAY, in the Chair.

17th July, 1788.

Widow of Lt. Duncan Murray: On reading the report of the Committee relating to the petition of the widow of Lieutenant Duncan Murray, formerly of the 84th Regiment: Ordered to be recommitted for further examination and report.

Col. Will'm Fortune: On reading the report of the Committee upon the reference of the petition of Colonel William Fortune: Ordered by His Lordship with the advice of the Board, that the Surveyor-General report a survey of one thousand acres for Col. Fortune.

Jean Baptiste Dumas: On reading the report of the Committee relating to the petition of Jean Baptiste Dumas: Ordered by His Lordship with the advice of the Board, that the Surveyor-General report a survey.

Lt.-Col. Jas. Holmes: On reading the report of the Committee relating to the petition of Lieu't-Col. James Holmes: Ordered by His Lordship with the advice of the Council, that the Surveyor-General report a survey of seven hundred acres of land for him.

Captain Simeon Covell: On reading the report of the Committee relating to the petition of Capt. Simeon Covell, a reduced Captain of the Loyal Rangers: Ordered by His Lordship with the advice of the Council, that the Surveyor-General report a survey of seven hundred acres of land for him.

Wednesday, 22d October, 1788.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable William Smith, Esqr., Chief Justice; Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edw'd Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Chas. De Lanaudiere, J. G. C. Delery, Le C'te Dupré, Esquires.

His Lordship ordered to be read the 41st Article of His Majesty's Instructions in favour of the Corps, late the 84th Regiment, in the words following, viz't:

And whereas upon the raising and establishing the Corps, late the 84th Reg't of Foot, we did promise and declare that the officers and privates of the said Corps should when reduced be entitled to and receive grants for certain allotments of lands in proportion to their respective ranks therein, it is our will and pleasure that you do in manner as herein before directed grant warrants of allotment and survey to such of the officers and privates of the said late Eighty-fourth Regiment of Foot now reduced who shall be willing to settle and become inhabitants of our Province of Quebec, and shall apply for the same for such quantities of land as they shall be respectively entitled to, in consequence of our said promise and declaration contained in our instructions to our Governors of New York and North Carolina, dated the 3d April, 1775, that is to say:

To Field Officers, 5,000 acres; Captains, 3,000 acres; Subalterns, 2,000 acres; Non-Commissioned Officers, 200 acres; privates, 50 acres. And that the surveys be made and grants for the same delivered to them respectively free of expense as hereinbefore is directed, provided nevertheless that every commissioned and non-commissioned officer or private belonging to the said late 84th Regiment of Foot, who shall claim and apply for lands in our Province of Quebec as aforesaid, shall declare upon oath that no land has been obtained by him in any of our other provinces in America under our Royal declaration as aforesaid.

Read also a petition from Sir John Johnson, Bart, and a memorial of Lieut.-Col. Butler and others, as follows, viz.:

To His Excellency The Right Honourable Guy, Lord Dorchester, Captain-General and Governor-in-Chief of the Colonies of Quebec, Nova Scotia and New Brunswick, and their dependencies, Vice-Admiral of the same; General and Commander-in-Chief of all His Majesty's Forces in the said colonies and the Island of Newfoundland, &c.

Sir John Johnson, Baronet: The memorial of Sir John Johnson, Baronet, Lieu't Colonel-Commandant of His Majesty's late Provincial Regiment called the King's Royal Regiment of New York, humbly sheweth that your memorialist and the officers of his said regiment very early evinced their loyalty and attachment to His Majesty's person and government; and that having served faithfully

and zealously and shared equally in the dangers and fatigues from the commencement to the conclusion of the late unhappy war, they humbly submit their pretentions to Your Lordship's consideration; and though they cannot claim a right, they hope they may be considered to have equally merited the same bounty and indulgence that is granted to the officers of the late 84th Regiment by His Majesty's Instruction to Your Lordship dated the 23d day of August, 1786.

Your memorialist therefore in behalf of the officers of his regiment prays that the same proportion of land may be granted to them that is ordered by the aforesaid Instructions for the officers of the said 84th Regiment and your memorialist as in duty bound will ever pray, &c., &c. JOHN JOHNSON.
Montreal, 23rd Sept., 1788.

Lieu't Col. Butler: To His Excellency The Right Honourable Guy, Lord Dorchester, etc., etc.

The memorial of Lieu't Colonel John Butler and the officers of the late Corps of Rangers and Indian Department at Niagara humbly sheweth that Your Lordship's memorialists having left their families and properties at the commencement of the late troubles in America and served faithfully during the war, and now settled at Niagara, do humbly beg that Your Lordship will be pleased to consider their services and allow the officers and non-commissioned officers such additional quantity of lands as the 84th Regiment has received. And your memorialists as in duty bound shall ever pray. JOHN BUTLER, Lieut.-Col.; PETER TENBROOK, Capt.; ANDREW BRADT, Capt.; JACOB BALL, Lieut.; TH'S BALL, Lieut.

The opinion of the Board being desired by His Lordship, the Council concurred with His Lordship in granting the prayer of the petition and memorial in favour of all such officers as have improved the lands already granted to them as reduced officers since the Peace of 1783.

And it is referred to the Surveyor-General or Deputy Surveyor-General to make returns of the locations of the petitioners; and he is directed to give them certificates thereof under his hand as further testimonials of the faith of government for issuing the patents pursuant to His Majesty's Instructions, if they shall apply for their several locations in the course of one year to be computed from the first day of May next.

But it is to be understood that deductions are to be made of all such tracts as have been already granted to any of the objects of this order, that upon the whole they may receive equivalents with the Corps of the 84th Regiment.

Read the nineteenth report of the Committee in the words following, viz't:

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.

The Committee appointed to consider the applications for the waste lands of the Crown.

Present: Messrs. Finlay, Collins, Grant, Lanaudiere and St. Ours, who beg leave humbly to report, that they read the petition of William Dummer Powell, Esq'r., of Montreal, Barrister-at-Law, dated the 14th of July, stating that he was among the first who in April, 1775, associated in Boston to support the laws and the rights of the Sovereign, and he carried arms during the whole of General Gage's command. He forfeited his right to lands in Massachusetts by his loyalty having been declared by a provincial law an alien incapable of inheritance.

He solicits a grant of land, to repair to his children the loss they will sustain by their father's loyalty, lying on the south side of the River Outawa between the upper boundary of Mr. Lotbiniere's seigneurie, and the lower boundary of that of Mr. De Longueuil, in such quantity as Your Lordship may judge meet.

The Committee humbly inform Your Excellency that townships are laid out and to be laid out by Your Lordship's commands for loyalists at the place where the petitioner prays to have his lands, so that if it shall be Your Excellency's pleasure to grant his prayer lands may be set off for him in one of those townships.

Isaac Winslow Clarke: The petition of Isaac Winslow Clarke was next read, praying for lands on the Outawa River.

He represents that he served ten years in the commissary line and that he left Boston at the beginning of the rebellion and has sustained losses in lands and otherwise in consequence of his loyalty.

As the petitioner does not mention any particular situation on the Outawa River, the Committee are humbly of opinion that he may have such portion of land as it may please Your Excellency to allow him, near the lands laid off for the 84th Regiment.

Read the twentieth report of the Committee in the words following, viz.:

To His Excellency The Right Honourable Lord Dorchester, etc.

The Committee appointed by Your Excellency to examine petitions for the waste lands of the Crown, now lying on the Council table, humbly report that on the 6th of August (present, Messrs. Finlay, Collins and Grant), they examined the petition of Samuel and John McKay, late of Sir John Johnson's Corps reduced stating that their father, Cap't Samuel McKay, was at the blockade of St. Johns in 1775 and on service with General Burgoyne; they therefore pray that the lands to which their father would have been entitled, had he lived, may be bestowed on his widow, their mother, and they further pray that their portions as Ensigns in Sir John's Corps may be laid off for them, without mentioning any particular location.

If Your Excellency sees no impropriety in the prayer of their petition in their mother's behalf, a Captain's portion may be laid off for Widow McKay from the waste lands of the Crown, between the lower and upper settlements, as likewise the lands for her sons (the petitioners), reduced Ensigns.

Capt. La Motte: Read the memorial of William La Motte, stiling himself a Captain in one of the late Canadian Corps and stating that he was in active service during the whole war. The Committee humbly conceive he may be put on a footing with the other officers of Canadian Corps and that he may have lands, if Your Excellency pleases, at the place where the rest of the Canadian officers have drawn lots.

Capt. Caldwell: The petition of Capt. Caldwell, late of Lieut.-Col. Butler's Rangers, praying for a grant of lands to his sons, William and James, of a certain marsh at Detroit.

The Committee on the information of Major Mathews humbly set forth that the marsh prayed for is situated at the entrance of the River Detroit, on the north side of Lake Erie; it is about two miles in front by six in depth and is only fit for grazing cattle. It lies between a small grant made by Indians to some officers of the Indian Department, who served in the war in that country, and a later grant from the same, of six leagues, which Capt. Caldwell procured at considerable expense to himself and which he gave up to Government for the purpose of extending the settlement occupied by disbanded Rangers and meri-

torious loyalists. If it is Your Excellency's pleasure to grant the land prayed for, the Committee conceive that the improvement of the marsh would be of public benefit. When Major Mathews laid out the settlement for Rangers and loyalists the marsh was left out unfit for improvement.

Lieut. Henry Hay: Lieutenant Henry Hay prays for his allowance of lands, as a reduced officer of Sir John Johnson's Corps, on the Grand River; and further he prays for lands for his mother, the widow of the late Lieutenant-Governor of Detroit, who is left in distress with five children to support.

Lieut. Hay's allowance may be set off on the vacant lands between the upper and lower settlements and such allowance as it may please Your Excellency to order for Widow Hay and her children may be laid off next to her son's lands.

Lieu't. Arch'd McDonnell: Lieutenant Archibald McDonnell's (of the late 84 Reg't) petition sets forth that he has had 500 in part of 2,000 acres of land to which he is entitled as a reduced officer of that corps, and he prays for the remaining 1,500 acres on the island called Grande Isle at the carrying-place opposite to Kingston in the District of Mecklenburg.

The Committee find that that island is claimed by Messrs. Curots of Montreal under grants made during the French Government. Their pretentions have been referred to the Land Committee by Your Lordship who have not yet been able to make a report thereon.

James McDonnell, Major of Militia: James McDonnell, Major of Militia, prays as heir-at-law to his brother, Capt. Lieut. John McDonnell of the First Battalion of the King's Royal Regiment of New York, who fell in action in 1777 near Fort Stanwix, for the land which his brother would have had if he had lived. No place of location is pointed out but if it pleases Your Lordship to favour the petitioner, he may have lands in one of the townships laid out this year.

Capt. Hugh Munro: Hugh Munro, Captain in the late Loyal Rangers, sets forth in his petition that he has drawn 800 acres of land but very inconveniently situated for a farmer with respect to water for his cattle. He prays for an addition of one acre and a half in front to run back the depth of two concessions, that he may secure a proper watering-place for his stock. The addition he prays for is described as lying in a tract adjoining his 800 acres, reserved for the Oswegatche Indians. He founds his prayer on a presumption that Government will shortly purchase that tract and distribute it among the loyalists.

The Deputy Surveyor-General informed the Committee that Captain Munro drew four lots, No. 22 and 23, in the First Concession, and the like numbers in the Second, with a half of Lot No. 4 in the Sixth Concession, which contain all the land he is entitled to, unless Your Excellency chooses to indulge him with a further grant.

As to his representation concerning an intended purchase by Government from the Indians, his neighbours, the Committee conceive it is made with an intention to found a plea of prior application, in case these lands may be purchased hereafter by the Crown for the use of the loyalists and others.

Capt. Simeon Covell: Simeon Covell's petition states that he has not drawn any land as yet as a reduced Captain of the late L. Rangers.

The Deputy Surveyor-General by Your Excellency's order sent a copy of the minute of Council made upon the XVIII report of this Committee dated

the 16th of July last, relative to Capt. Covell, to the Deputy Surveyors then laying out lands to the end that they might have lots in that part of the country they wished to settle in.

Adam Impey: Adam Impey, late of the King's Royal Regiment of New York, sets forth that his father, himself, and five brothers, on account of their loyalty and attachment to the British cause, forsook good settlements in the States. They served under Sir John Johnson at Fort Stanwix. The petitioner married the widow of Lieut. Henry Hare of the Indian Department, and in consequence of that marriage he is burdened with the care and maintenance of Mr. Hare's five children and he has four more by the said widow. He applies for 500 acres on Lieut. Hare's account, five hundred acres for his children, with 100 acres for Mrs. Hare, now his wife, and 100 acres for each of his children by her, making in all 1,500 acres. He sets forth that he was told by the Deputy Surveyor-General he might pitch on that quantity at Carillon; he went there accordingly, saw the tract he liked, and found a Canadian living thereon, but the Canadian's pretensions he purchased for eight dollars, took possession and placed a man there to hold that tract for him. That Mr. McNiff, a Deputy Surveyor, had informed him afterwards that Lots No. 7, 8, 9 and 10 of the tract he had pitched on had been laid out for and were claimed by the officers of the late 84th Regt.

Mr. Collins, the Deputy Surveyor-General (a member of the Committee), informed the Committee that he gave no directions to Mr. Impey to take possession of any particular spot of land but to take a view of the country on the Grande River, which he, Mr. Collins supposed, would probably be ordered to be laid out early in the summer, 1788; and he added that he did not doubt but that Lord Dorchester would let him have the lands there which Lieut. Hare might have been entitled to had he lived, as also lands for his wife (the Widow Hare) and his children by her.

The Committee under the circumstances related to them consider that as the lands in question have been set off for the reduced officers and privates of the late 84th Regiment by Your Excellency's order, Mr. Impey will be disappointed, but if Your Lordship pleases to allow him lands as prayed for the quantity Your Excellency shall please to allot him may be laid off on the south side of the river.

Rev'd John Bethune: The Reverend John Bethune, who served as Chaplain to the 84th, solicits his proportion of lands, twelve acres in front, to run five concessions in depth in the Indian tract lying between Charlottenburg and Cornwall, understanding that that tract is to be purchased for the use of the loyalists and disbanded troops. He represents that he cannot with any advantage take land with the officers of the 84th at Carillon, being so far distant from his congregation.

The Committee conceive that Mr. Bethune has made this application on a supposition that the Indian tract he alludes to will be purchased by government and that he may make a plea of priority of application if ever these lands shall be purchased and granted to loyalists and others.

Lieut.-Col. Harris: Lieut.-Col. Harris, as late Major of the 84th Regiment, prays for his 5,000 acres adjoining the nine miles already surveyed for such officers of the 84th as have petitioned for the same.

The Committee are of opinion that the nine miles already laid off for that reduced corps may contain a sufficient number of acres to furnish the quantity

allowed by His Majesty for the officers and privates, if regard is had to the rule laid down for settling the loyalists touching the proportion that the fronts ought to bear to the depth of the lots.

Frederick Rastoul, Louis March à terre, Francois Jaquette and J. B. Feré: The joint petition of Frederick Rastoul, a mason; Louis Marchatere, a shingler; Francois Jacquette, a potter, and J. B. Feré, a millwright and joiner, pray for lands for themselves and families at Toronto near Monsieur De Rocheblave's tract, and representing that they are capable of work and faithful subjects who wish to settle at Toronto. If Your Lordship has not set apart those lands for loyalists from the States, the Committee do not perceive any objection to the prayer of those people.

Joseph Anderson: Joseph Anderson, loyalist, prays for lands in the District of Mecklenburg. The Deputy Surveyor-General laid out 200 acres for him in that district but if it is Your Lordship's pleasure to favour him with a further grant, he may have lands in one of the townships lately laid out between the upper and lower townships.

Rev'd Mr. Stuart: Rev'd Mr. Stuart, praying for 200 acres of land as his proportion between the western boundary of Kingston and the eastern line of Ernest Town immediately adjoining No. 1 in the Second Concession of the township to be bounded by the west line of the said township, and extend north and south parallel to said No. 1 immediately without the boundary line of said township.

The Committee find that Mr. Collins' (the Deputy Surveyor-General's) petition for a tract of land on the bay of Tonegayon at Cataracoui was filed in the Land Office on the 15th of October, 1783, and they are informed that he has improved it by building a house thereon and other improvements and that it is the spot petitioned for by Mr. Stuart.

James Hughes: James Hughes (Town Major of Montreal) petitions for 4,000 acres of land on the Grande River between Mr. Lotbiniere's seigneurie of Vaudreuil and Mons'r De Longueuil's seigneurie; but this tract has been laid out for the American loyalists by Your Excellency's orders.

George Smyth: George Smyth, Naval and Preventive Officer at St. John's, petitions for lands. This petitioner with associates made application some time since for lands near Lake Memphramagog, which application has been reported on in this Committee's third report to Your Excellency and as no order has yet been had thereon the Committee cannot with propriety make any remark on this petition excepting that an application was made by Terence Smyth, the petitioner's son (who is mentioned in this application), for lands at Carillon. That application was examined by this Committee on the 20th of June last, but it has not been reported on because he claims a subaltern's quota without informing the Committee of the quality in which he served his Majesty.

Capt. Harkimer: Capt. Harkimer appears for lands. He has had all the land he is entitled to as a captain, with the additional number of acres for his family and Your Excellency's bounty besides.

Abraham Wing, Jr.: Abraham Wing, Jun'r, prays for lands for himself, wife and six children, wishing to have his allotment in a tract of Indian land which he presumes Your Excellency will purchase for the Crown near Edwardsburg. The Committee humbly inform Your Lordship that the petitioner may have lands if Your Excellency pleases, in any of the townships laid out this summer.

Antoine Landriaux: Antoine Landriaux of Montreal states that his father served as a surgeon in the hospitals at Montreal gratis, and he prays that he, his son, may obtain 400 acres of land at Toronto near Mons'r De Rocheblave's tract, in reward of his father's services. The Committee can only remark on this petition that if Your Excellency chooses to favour Mr. Landriaux with a grant, there's waste land appertaining to the Crown near Mr. Rocheblave's tract at Toronto, where the petitioner wishes to settle.

Joseph Pagé: Joseph Pagé for four hundred acres there likewise. He does not state how many his family consists of, but if Your Lordship shall please to permit him to settle there the quantity of acres allotted him may be proportioned to the number of persons in his family.

Elizabeth Lord and her Brother: Elizabeth Lord and Joseph, her brother, were left a burthen on Mr. De Rocheblave. He has supported them from their infancy. They pray for lands at Toronto to make a settlement for thesmselves.

The Committee are inclined to recommend a grant of the prayer of this petition to ease Mons'r De Rocheblave of the burden that he has long borne and to enable the petitioners to acquire the means of supporting themselves.

Jacob Weimer: Jacob Weimer (a poor German) states that he disposed of his effects in his native country to procure a passage to America, that he might become a subject of His Britannic Majesty; he therefore prays for land at Toronto. The Committee do not apprehend that any inconvenience can attend the granting of the petitioner's prayer; if it is Your Lordship's will to allot him the usual allowance.

Richard Beasely and Peter Smyth: Richard Beasely and Peter Smyth, loyalists, pray for land at Toronto and at Pemitiscutiank, a place on the north side of Lake Ontario, having already built a house at each of those places, and they petition for as many acres round each as is the usual allowance made to loyalists.

As it is proposed by Your Lordship to lay a town out at Toronto, the Committee cannot recommend a grant of lands round the house which the petitioners have built there, lest that grant might interfere with the intended plan; but if it is Your Excellency's pleasure to settle the north side of Lake Ontario at present, the Committee perceive not any objection to the petitioners having land round the house they built at Pemiscutiank in such portion as Your Lordship may think fit to allow.

Richard Goring: Richard Goring sets forth in his petition that he served as an artificer part of the last war, and bore arms in Quebec during the blockade, 1775-6, and he prays for land for himself, his wife and child on the south side of Lake St. Francis (in Lower Canada). The lands there were intended by Your Excellency for Canadians, and as he has married a Canadian woman and declares

his intention to pass the remainder of his days with his wife's relations, the petitioner's prayer may be granted if Your Lordship thinks fit.

Abigail Campbell: Widow Abigail Campbell informs Your Lordship that she has eight children, that her late husband was a persecuted loyalist of New Fairfield in Connecticut, and that she left the States to have her children brought up subjects of the King. If it shall please Your Lordship to grant lands to the petitioning widow, she may have such portion as Your Excellency may please to order for her and her children, in any of the townships that have been laid out this year.

Widow Orillat: The Widow Orillat and her daughter pray for lands at Toronto near Mr. Rocheblave's tract in common with the loyalists. She sets forth that her late husband performed services for Government and that he met with losses and suffered hardships at the time the Americans invaded this Province, in consequence of his loyalty to the King. The Committee can perceive no objection against granting the prayer of the Widow Orillat, if it is Your Excellency's pleasure to favour her with a lot in any of the new townships lately laid off between the upper and lower settlements.

Michael Cook: Michael Cook, a loyalist, finding it impossible to live on lands near Shelburne in Nova Scotia, left that Province to become an inhabitant of Canada, and he prays for lands at Edwardsburg.

It is not known to the Committee whether the lands are bad round Shelburne; and perhaps the petitioner may have sold the lands he drew there and now applies the second time for the King's bounty, but if he can make it appear that he left Shelburne on account of the sterility of the soil there, if Your Lordship pleases he may have a lot of land in any of the new townships

Pierre Dodegan: Pierre Dodegan represents that his daughter fell heir to her uncle who left 12 acres of land in front by 40 acres in depth, in the seigneurie called la Petite Nation, above the Long Sault on the River St. Lawrence, holding of les Chanoines de la Cathedrale de Quebec, as appears by a concession from them as seigneurs dated in 1732.

The Deputy Surveyor-General informs the Committee that the lands in question are in the Township of Osnabruck and actually in the possession of loyalists. A notorial copy of the original deed of concession accompanied the petition and was read.

Major James Gray: The petition of Major James Gray for a thousand acres of the Indian lands which join the tract that he has already drawn was read. The petitioner states that the land he applies for is Indian property. The Committee cannot recommend a grant of lands which do not appertain to the Crown.

Abraham Pastorius: Abraham Pastorius, a reduced Lieutenant, prays for land adjoining the Priest's seigneurie at St. Sulpice near the Acadian Settlement. The Deputy Surveyor-General cannot inform the Committee at present until he examines his plans whether there is any waste land there belonging to the Crown, but if there is, the petitioner may have a grant there if Your Lordship pleases.

De Longueuil: L'Honourable Joseph De Longueuil prays for 1,000 acres to join his seigneurie on the Ottawa River in lieu of the same quantity allotted him

at the little Lake St. Francis. The Committee presuming the petitioner means the lands which lie at the depth or south end of his said seigneurie, they can see no objection against the prayer of his petition, if Your Lordship thinks fit to grant it.

Lieut.-Col. Campbell, Major Colin Campbell: Lieutenant-Col. John Campbell, for himself as Commandant of the Indians and Superintendent and Inspector of Indian Affairs, and in behalf of Major Colin Campbell, late Deputy Superintendent in said Department, prays that such quantity of lands, as Your Excellency may allow them in their said capacities, may be granted to them on the north side of the Ottawa River next to the lands surveyed for the 84th Regiment.

Should it be Your Lordship's pleasure to grant lands to the petitioners as officers in the Indian Department they may have the quantity Your Lordship chooses to grant them on the Ottawa River and next to the lands already laid off for the officers and privates of the late 84th. If it is not Your Lordship's intention to grant the prayer of Colonel Caldwell in favour of the officers and privates of the British Militia for lands to join the 84th tract, which prayer is recommended by this Committee in their report to Your Excellency on the 10th of last May, but if it is Your Lordship's will to grant the prayer of Colonel Caldwell's petition (signed likewise by seven captains), Colonel Campbell and his brother may have lands to join the tract allotted to the British Militia, if so it may please Your Excellency.

Lieut. Angus McDonnell: Lieutenant Angus McDonnell, late of the 71st Reg't, prays for lands between Charlottenburg and Cornwall, reserved for the Indians. The Committee cannot recommend this prayer as the petition states that the land he prays for is Indian property.

F. Verneuil De Lorimier and G. De Lorimier: Francois Verneuil De Lorimier and Guillaume De Lorimier, as Lieutenants in the Indian Department, pray for lands for themselves and families at la Vielle Galette du Coté d'en haut. This description leads the Committee to believe that the place prayed for is not within the Province, but if they mean the north side of the River St. Lawrence, the lands there have been granted to loyalists.

Sir John Johnson for the Heirs of Col. Guy Johnson: Sir John Johnson, in behalf of the heirs of Colonel Guy Johnson, in his petition, states that the deceased had not at the time of his demise received any part of His Majesty's bounty in lands granted to his discharged troops and other loyalists, and that he has left three children; he therefore prays that the children may obtain such quantity of land as may seem meet to Your Excellency on the south side of the Ottawa River next to the lands last granted on that shore. The Committee see no reason why the prayer of the petition may not be granted if it is Your Excellency's will to grant it.

Sir John Johnson: The petition of Sir John Johnson sets forth that he lost large tracts of land in the late Province of New York that were purchased from the Indians, but not patented, tho' the deeds for the same were recorded in the proper office; and as these lands were not included in the estimate of Sir John's losses laid before the Commissioners for enquiring into the losses of American loyalists, &c., he prays in compensation that the Island of Tonté,

opposite to the entrance into the Bay of Quinty, and the island called Grande Isle or Long Island, extending from near the former down to and between Carleton Island and Cataracoui, may be granted to him. The Committee, from the information of the Deputy Surveyor-General, have already reported on an application for an island called Grenadier Island, that Your Lordship did not intend at present to grant any of the islands. Yet if Your Lordship should choose to grant the Island of Tonté to the petitioner, the Committee do not perceive any inconvenience that may flow to the public from his holding it; but as for Grande Isle it is claimed by Messrs. Curots of Montreal as their property, under deeds granted before the conquest of this country, and their pretensions are by Your Lordship's reference now before the Committee for Lands, who have not yet been able to make any report thereon.

Sir John Johnson for the Heirs of Major Leake: Sir John Johnson, in the behalf of Major Robert Leake's heirs, in his petition sets forth that the Major left a wife and a child, and that at his demise he had not received any part of His Majesty's bounty of lands; and he prays that the proportion due to a Major may be laid off on the south side of Ottawa or Grande River, near the lands already laid off at that place.

The Committee see no objection why the prayer of Sir John Johnson in behalf of the widow of Major Leake and his child may not be granted, if so it shall please Your Lordship.

Lieut. Wm. Claus: The memorial of Lieut. William Claus, in behalf of himself and his mother, Ann Claus, widow of the late Daniel Claus, Esqr., and joint heir to his estate, sets forth that his deceased father as Deputy Agent for Indian Affairs never received any part of His Majesty's bounty for disbanded Provincial troops and other loyalists, and prays for such proportion of land for the heirs of the said Daniel Claus, Esqr., as may seem meet to Your Excellency, to be laid off at Carillon on the south side of the river. The Committee think that if it is Your Lordship's pleasure to grant the petitioner's request, lands may be laid off for Daniel Claus' heirs where prayed for.

Widow Murray: The Widow Murray, relict of the late Lieut. Duncan Murray of the 84th Regiment, sets forth that she was left without the means of supporting herself and children, and prays that if Your Lordship, regarding her husband's services as in any degree meritorious, should see her forlorn condition with Your Excellency's wonted benevolence, she would most humbly solicit a grant of 400 acres of land she has taken up near the banks of the Twelve Mile Creek in Township No. 2 of the northern District of Niagara, for herself and two children.

The Committee have understood that the petitioner's husband, Lieut. Murray, was an active magistrate and a useful member of society and this his widow was left in distressed circumstances with three children. If it is Your Lordship's pleasure to favour the Widow Murray with a grant of lands for herself and children they see no objection to her holding the tract she prays for.

Jas. Farquharson: James Farquharson, late Assistant Commissary-General states in his petition that he served ten years in that department and he prays for such proportion of the waste lands of the Crown as he may by the King's bounty be entitled to, and begs his quota may be laid off for him where the 84th are to have their lands.

The Committee have already observed in this report that the British Militia have prayed for lands adjoining the tract allotted for the 84th and so has Col. Campbell for himself and brother, as officers in the Indian Department, and if it is Your Excellency's will to grant their prayer, Mr. Farquharson, if so Your Lordship pleases, may join them.

Capt. Lewis Genevay: Capt. Lewis Genevay, late of Lieut.-Col. Butler's Rangers, prays for his allowance of 700 acres of land at Le Grand Calumet on the south side of the Ottawa River. The Deputy Surveyor-General informs the Committee that he thinks the place mentioned is higher up than any lands yet laid out, and they know of nothing to prevent the petitioner from holding lands there if Your Lordship pleases to grant them.

Lieut. Donald McKinnon: Lieut. Donald McKinnon, of the First Battalion of the late Royal Highland Emigrants, and Seigneur of Mattanne, prays for his proportion of lands as a reduced officer to join his said seigneurie at the lower extremity. The Committee are of opinion that his request may be granted if Your Lordship pleases, provided the tract he applies for is not private property under French grants.

Hazzleton Spencer: Hazzleton Spencer's petition notes that his father, Benjamin, joined the British Army under General Burgoyne in 1777 and was then appointed a commissioner for examining persons returning to their loyalty. He died on his way from Ticonderoga to Montreal and left a family of six children; and he prays that the quantity of lands which their father would have been entitled to had he lived may be set off for his children. The Committee see no reason why the prayer of this petition may not be granted, if it shall so please Your Lordship, and such quantity of land as Your Excellency may order to be laid off for that family may be allotted to them in any of the townships lately surveyed between the upper and lower settlements.

Alexander Chisholm: Alexander Chisholm of the Bay of Quinté represents that he applied in 1785 to Lieutenant Governor-Hamilton for some of the waste lands of the Crown to which he was entitled in consequence of services to His Majesty in different capacities; that Mr. Hamilton permitted him to look out for a scite to his liking; that he took possession of 400 acres of the waste land of the Crown in the Ninth Township near the head of the Bay of Quinté, but as those lands could not be laid out when he seated himself there, the memorialist obtained the Deputy Surveyor-General's promise that he should have the quiet possession of the same—a like promise was all the security that every other person had who sat down on unsurveyed lands, all of whom except the memorialist now hold and possess the several quotas they had chosen. And he sets forth that after he had been at great expense in making a settlement on the tract he had taken up Mr. Collins granted the best half of it to a Mr. Vanderheyden. The petitioner concludes by praying that he may have his land back again, or in lieu of it No. 37 in Sydney on the east side of Lot No. 11 in the 9th Township.

The Deputy Surveyor-General, Mr. Collins, informs the Committee that the petitioner has drawn 250 acres at a place called the Little Lake, and 100 acres in Thurlow which is more than he is entitled to as a reduced Sergeant which Mr. Collins understood him to be.

George Campbell: George Campbell, late a Sergeant in Col. Butler's Corps of Rangers, prays for his quota of land on the Indian tract at Edwardsborough. As the lands prayed for are not vested in the Crown, the memorialist may have his proportion in any of the new townships lately surveyed between the upper and lower settlements.

James Molloy: James Molloy sets forth that he married the widow of Mr. John Amory, late of the Province of New York, who lost a handsome estate in consequence of his loyalty in the late American contest. Mr. Amory raised a number of men and joined General Burgoyne; he was allowed half-pay after the Saratoga Convention, and was afterwards employed at New York as Comptroller in the Quarter-Master General's Department. The memorialist understanding that the orphans of the deceased have a right to as much land as their father's rank would have entitled him to, he prays that such proportion may be allotted them on the Grand River. They are five in number; and for himself he prays (as having been employed during the war as Overseer Assistant Storekeeper) for lands there likewise, his family consisting of his wife and two children. He was first employed by Sir William Howe at New York, and now serves in the Indian Department; he hopes Your Excellency will grant him 500 acres for his own quota, together with the usual allowance for his wife and two children.

As the memorialist does not point out any place of location, the Deputy-Surveyor-General informs the Committee that such portions of land as Your Excellency may please to order for Mr. Molloy on his claims, may be laid off in the First or in the Second Township on the south side of the Ottawa River.

Oliver Church: Read next the memorial of Oliver Church, the son of Malachy, a zealous loyalist as stated in the memorial, who joined Governor Tryon in 1775 and was employed by him to procure intelligence which service he performed to the Governor's satisfaction and who was appointed by General Howe to be a Captain in the Corps then raised by Colonel Robert Rogers. He joined the army on the expedition on Lake Champlain and shortly afterwards he died at Montreal.

The memorialist prays for the proportion of land to which his father would have been entitled had he lived. The services of Malachy Church, the father, are certified on the back of the memorial by Major James Rogers of the Rangers.

The Committee perceive no reason why the memorialist may not receive an order for locating such proportion of land as it may please Your Excellency to grant to him and the other children of Malachy if any there be.

All which is most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 13th October, 1788.

Monday, 29th December, 1788.

Present: His Excellency The Right Hon'ble Guy, Lord Dorchester, The Hon'ble William Smith, Esquire, Chief Justice; Hugh Finlay, William Grant, Edward Harrison, Francis Baby, John Collins, George Davison, J. G. C. Delery, Chas. De Lanaudiere, Henry Caldwell, Le C'te Dupré. His Lordship informed the Council that representations having been made to him on his late visit to the western districts of delay and expense being occasioned to many loyalists desirous of forming settlements in the upper country, from the want of authority on the spot for allotting lands for them, He had therefore to remedy that incon-

venience; appointed the following boards in the Districts of Mecklenburg, Luneburg, Montreal and Nassau, viz.:

Mecklenburg: The Rev'd Mr. John Stuart, Neil McLean, James Clerk, Richard Cartwright, Jun., Esquires, and the officer commanding for the time being or any three of them;

Lunenburg: Richard Duncan, John McDonell, Jeremiah French, Justus Sherwood, James Gray, John Munro, Esquires, or any three of them;

Montreal: Sir John Johnson, Baronet; Lieut.-Col. Harris, 60th Regt., or Officer Commanding at Montreal; William Dummer Powell, Mr. Rankin, Mr. Abraham Pastorius, Esquires, or any three of them;

Nassau: Lieut.-Colonel Hunter, or Officer Commanding; Lieut.-Col. Butler, Peter Tenbrook, Robert Hamilton, Benjamin Pawling, Nathaniel Petit, Esquires, or any three of them:

To examine into the loyalty and character of all persons desirous to form immediate settlements in the said districts; and on being satisfied thereon, and the Oath of Allegiance being first administered to them, to furnish every such person with an order upon the Deputy Surveyor of the district for a lot, giving them to understand that such further quantities would afterwards be added, as their merits might be found to entitle them to. And that the different Deputy Surveyors had, at the same time, been required to give every such person a Certificate of Location for a single lot, not to be considered valid however in case of the holder being found to have received lands elsewhere; and in order to prevent impositions in this respect the several boards had been directed to communicate to each other the names of all persons so examined and recommended by them respectively.

His Lordship suggested, at the same time, the expediency of a general revision of the orders and regulations given and now in force for the conduct of the Land Office. Upon which it was ordered that Messrs. Smith, Finlay, Pownall, Caldwell and Grant be a committee for that purpose, and that they report to His Lordship such a digest of regulations for carrying on the services of that department as they shall think advisable.

On reading several of the preceding reports of the Land Committee, the following orders were made by His Lordship, with the advice of the Board, viz.:

Capt. George Lawe, late of the 84th Reg't, for his lands on the portage of Lake Timiscouata: Ordered that the Surveyor-General report a survey of one thousand acres at the place asked for, if lands there are in the gift of the Crown.

William Dummer Powell, for lands on the south side of the Ottawa River, between the upper boundary of Mr. Lotbiniere's seigneury and the lower boundary of that of Mons'r De Longueuil: Ordered that the Surveyor-General report a survey of three thousand acres, corresponding as nearly as may be with the location described by the petitioner.

Captain William La Motte, stiling himself a captain in one of the late Canadian Corps, and praying lands as such: Ordered that the Surveyor-General report a survey of seven hundred acres in the tract allotted to the Canadian Companies on the Lake St. Francis and River Chateauguay.

Captain Caldwell, late of Butler's Rangers, praying for a grant to his sons, William and James, of a certain marsh at Detroit: Ordered that the Surveyor-General report a survey of the marsh prayed for accordingly.

Lieut.-Col. Harris, praying for his proportion of five thousand acres, as major of the late 84th Regiment, adjoining to the nine miles already surveyed for the officers of that reg't on the north of the Ottawa River: Ordered that the Surveyor-General return a survey of five thousand acres accordingly within the tract assigned for the 84th Regiment or adjoining thereto if that is already disposed of.

Mad'me Saint Luc la Corne, for land on Chateauguay River in consideration of the services of her deceased husband. Ordered that the Surveyor-General report a survey accordingly of one thousand acres to be granted to the heirs of Mr. De St. Luc la Corne.

Mons'r De Longueuil, for one thousand acres adjoining his seigniory of New Longueuil, in lieu of his proportion as a reduced field officer, in the Canadian settlement on Lake St. Francis: Ordered that the Surveyor-General report a survey of one thousand acres to be granted to the petitioner accordingly.

Francois Verneuil De Lorimier and G. Delorimier, for lands at Vieille Galette: Ordered that the Surveyor-General report a survey of five hundred acres for each, if in the gift of the Crown.

Sir John Johnson, Baronet, for the heirs of Guy Johnson, on the south side of the Ottawa River: Ordered that the Surveyor-General return a survey of one thousand acres on the south shore of the Ottawa River, to be granted to the heirs of Guy Johnson, deceased.

Sir John Johnson for himself: Ordered that the Surveyor-General report a survey of the Island of Tonté, to be granted to the petitioner.

Sir John Johnson for the heirs of Major Leake: Ordered that the Surveyor-General report a survey of one thousand acres to be granted to the heirs of Major Leake, deceased, on the south side of the Ottawa River.

Lieut. Will'm Claus and his mother: Ordered that the Surveyor-General report a survey of one thousand acres to be granted to the heirs of Daniel Claus. (See page 41 for the petition of Lieut. Wm. Claus in behalf of himself and his mother.)

Widow Murray for lands at Niagara: Ordered that the Surveyor-General report a survey of four hundred acres as located by the petitioner, if in the gift of the Crown, and not part of lands reserved for public uses.

James Farquharson, Assistant Commissary, for lands adjoining the 84th Regiment: Ordered that the Surveyor-General report a survey of 500 acres to be granted to the petitioner, agreeable to his location.

Captain Lewis Genevay, late of Butler's Rangers, for seven hundred acres at Grand Calumet: Ordered that the Surveyor-General report a survey of seven hundred acres agreeable to the petitioner's location whenever the lands of the Crown at Grand Calumet shall be ordered to be surveyed.

Abraham Wing, for an allotment in a tract of Indian land, if purchased by the Crown near Edwardsburg: Ordered that the Surveyor-General report a location for him of four hundred and fifty acres.

Read the twenty-first report of the Committee:

To His Excellency The Right Honourable Lord Dorchester, etc.

The further report of the Committee of the Council to whom the petitions for lands are referred:

At a meeting on Friday, the 21st of Nov'r, 1788.

Present: Messrs. Finlay, Collins and Grant. A number of petitions were read from people who are pressing for grants of the waste lands of the Crown, considering themselves to be entitled to His Majesty's bounty. The Committee divided them into six classes.

1st, Loyalists who have suffered from their attachment to the King's Government. 2nd, Discharged soldiers. 3d, Artificers discharged from the King's works after the war. 4th, Sailors and others who served on the lakes, &c. 5th, Men who bore arms in the winter of the blockade. 6th, Petitioners who have no particular pretensions to the King's bounty, but who pray for Crown lands as faithful subjects wishing to make immediate settlement on the lots that may be granted them.

FIRST CLASS

Loyalists: Lieut. Jo. Saxton, R. Gar'n Batn; Jos. Pashley; Henry Juncken prays for 500 acres; Jas. Green and family ask for 600 acres; Arch. Campbell; Jas. Willsie, Jessup's Rangers; John Rees, 200; William Nugent; Jo. Ferguson, a wife and five children; James Miller; Nathaniel Kitfield; Christean Miller; J. Emerson, 2,000; Thos. Day, lost 600 acres at Crown Point, he asks for his family, 1,300; Alexander Iver and family, 400; Elias Day, wife and 5 children, 400; Hector Morrison and family, 200; Itharmar Day, wife and 9 children, 600; Donald Campbell, 100; T. Day, Jun., wife and 4 children, 350; Edw'd Williams and 2 children, 250; Jose Day, wife and child, 200; John Grant, wife and 7 children, 500; Jesse Armstrong, volunteer with Gen. Burgoyne, has a wife and 7 sons.

SECOND CLASS

Discharged Soldiers: Allan McRae from the 44th; Peter Thompson, L'd Frederick Campbell; Michael Liens, 44th; T. Cunningham, Sen'r.; Donald McKay, 44th; Th. Cunningham; John Richardson, 34th; John Cunningham; David Wright, 34th; Edw'd Smyth; Hugh Fraser, 60th; Jos. Stilhem; Francis Coulson, 8th; Wm. John Williams; John Pearson, 31st; John Ross, 78th, wife and 7 children; Francis Finney, 15th; P. Wharton Gregory, Conductor of Stores; P. McVey, Sergeant, 10th.

THIRD CLASS

Artificers: Alexander Galway; Peter Thompson's widow for herself and son, the father was drowned in the service; John Gordon; John McIntosh; Alex'r McDonald and family; Wm. Fraser; Jos. Garfield; John Telfair; John Stanley; John Bowman; Henry Sweetland; George Parr; Jas. Duncanson, wife and 4 children; Wm. Anderson and family.

FOURTH CLASS

Men who served on the lakes: Joseph Merret served from 1777 to 1784, commanded several vessels, he has Capt. Schank's certificate, he asks 500 acres. Wm. Clarke commanded a vessel. James Greig served as Midshipman on board the *Fell*. James McCutcheon; Fred Mitchel, wife and 2 children; Jos. May.

FIFTH CLASS

British Militia who bore Arms during the Blockade: John McDonald, John Smith; . . . Webb; William Fraser; . . . Robinson; John Ayton; Godfrey

King; George Harrow; Fred Petry; Hugh Ritchie; John Robb; Robert Phillips; Henry Crebassa; John McPherson, Sergt., wife and 6 children; Don McDonald, Sergt., wife and 6 children; Robert Hadden and family.

SIXTH CLASS

Petitioners intending to make immediate improvement: Rev. W. Montmoulin prays for 500 acres; Robert Anderson; Jos. Fred Montmoulin, 200; Alexander Ferguson; Samuel Montmoulin, 200; Isabella Strachan; Fred. Gaudot Montmoulin, 200; James Gibbons, wife and 2 children; Richard Dillon, 1,000; John Davison, wife and 3 children; George Linton, 1,000; John Young, wife and 2 children; T. Thompson, 300; Alex'r Cook, wife and one child; T. Graham, a farm; Thos. Cary himself and 8 persons; William Ripp, a Lot; James Nelson, 300 acres.

Loyalists and Discharged Soldiers: The Committee humbly report to Your Lordship that no reason appears to them why the petitioning loyalists and discharged soldiers may not be put in immediate possession of lots in the townships laid out last summer. Orders may be given to the Surveyor-General of lands for that purpose if Your Excellency thinks proper.

Artificers, Men discharged from the Lake Service, and Petitioning Individuals of the British Militia: The artificers and likewise the men discharged from the lake service may be settled in the new townships as also the petitioning individuals of the British Militia who bore arms in Quebec in 1775 that intend to make immediate settlement on such lands as may be allotted them if it shall not be Your Lordship's pleasure to order one continued tract to be laid off for that body in compliance with the humble request of Colonel Caldwell and the Captains.

Petitioners of the Sixth Class: And all those of the Sixth Class mentioned in this Report who intend to improve the lots they may draw may have also lands in the townships lately surveyed, or that may be surveyed next Spring, if Your Lordship sees it fit.

James Walker, Surgeon's Mate: James Walker claims two thousand acres as Surgeon's Mate of the late 84th Regiment; he has already drawn 660 acres and prays that the remaining 1,340 may be granted to him in any part adjoining Elizabeth Town. The Committee do not know the quantity of acres allowed by His Majesty to a Surgeon's Mate, but if Mr. Walker is entitled to the number of acres he claims or if it shall be Your Lordship's will to allow him the 1,340 acres prayed for, they may be given to him in the tract set apart for the 84th Regiment.

Lieut. Lewis Foy: Lieut. Lewis Foy on the half-pay of the 44th prays for 500 acres of land on the south side of the Grande River, no particular spot being mentioned in the petition, the quantity prayed for may be laid off in one of the new townships if Your Lordship pleases.

Lieut. John Stagman: The petition of Lieut. John Stagman, late of the Hessian Regiment of Lossberg, sets forth that he served His Majesty in America from 1776 to 1783; that from attachment to the British Government he resigned

his Commission to become a subject of the King; that he has Honourable Certificate of his services from the officer who commanded the regiment. The petition further shews that he obtained Lot No. 19 containing 200 acres in the third Concession of the Township of Oznabruck; that by consent of Mr. Mann he improved a lot of 400 which he drew, No. 14, not far from No. 19, and he prays that No. 14 may be made his, seeing that Mr. Mann is provided for by a grant of land which he obtained in Chaleur Bay; and this he prays in consideration of his faithful services and likewise that he may be admitted to share lands as a reduced officer of the army, and that the remainder of the quantity to which he would in that case be entitled may be granted to him in any other part of the township. He has a wife and two children.

The Committee having been well informed that Lieut. Stagman is a most industrious settler, would have been very ready to recommend the prayer of his petition relative to No. 14, but they find that it has been granted to Mr. Mann and is transferable by him alone. If it shall be Your Lordship's pleasure to extend His Majesty's bounty to the petitioner, they conceive that it may be an additional spur to his activity.

Charles Thomas: The petition of Charles Thomas, late Judge Advocate of the Brunswick troops in His Majesty's Service, prays for 500 acres of land on the Ottawa River, opposite to the lands laid off for the 84th Reg't., imagining that he had the rank of a Lieutenant; and he humbly hopes his prayer may be granted in compensation of hardships sustained in the Service. and repeated losses of his private property. The Committee pretend not to decide on Mr. Thomas's rank, but they conceive he may be indulged with a grant of such quantity of lands as it may please Your Lordship in your goodness to be set off for him in any of the new townships.

Charles Reaume: Charles Reaume of Montreal petitions for 700 acres of land at Toronto, near Mr. Rocheblave's tract. The Committee see no objection to his obtaining the common allowance of 100 acres as master of a family with 50 for every person of which his family consists.

John De Courcy Gill: John De Courcy Gill, late of His Majesty's late General Hospital, prays for 500 acres of land for himself and 200 acres for his wife, on the south side of the Ottawa River. The petitioner having long served, if it is Your Lordship's pleasure to indulge him with 700 acres, may have that quantity in any of the new townships.

Jacob Robb: Jacob Robb, a loyalist from Philadelphia, brickmaker, prays for a small lot of ground at the Wind-Mill-Point in William Henry where he intends to carry on his trade, &c.

Capt. J. Walker Myers: Captain J. Walker Myers petitions for 15 acres on the stream called Sogudywitohevon for the purpose of erecting grist and saw-mills for the use of the settlement in the Bay of Quinté. The D. Surveyor-General informs this Committee that the petitioner has received his proportion of lands as a Captain of the late Loyal Rangers, and that the 15 acres prayed for are on the King's domaine, and may fall to the lot of some loyalist yet unprovided with land, if His Majesty does not choose to hold the banalité in the new settlement, yet it lies with Your Excellency to extend your favour to Captain Myers, if so it shall please Your Lordship.

John Emerson: John Emerson's petition sets forth that by the decided part he took at the beginning of the troubles in 1775 he was obliged to leave his property, business and connections in Worcester in Massachusetts, and take refuge in Boston, where he bore arms; he followed the British army to Halifax and from thence to New York, Jerseys, and Pennsylvania, rendering all the service in his power. He afterwards was employed as storekeeper in St. Lucia. He prays for a grant of 2,000 acres of land on the south side of the Grand River, such quantity of land as Your Lordship may think fit to allow to the petitioner may be set off for him in any of the new townships above Carillon.

Lieut. Maxwell, Hippolite La Force, F. De La Fontaine: Read next the petitions of Lt. Maxwell and Hippolite La Force, and of F. De La Fontaine in favour of divers inhabitants at the Grand River, all of Chaleurs-Bay. Lieutenant Maxwell and Mr. La Force have had all the lands they are entitled to.

The Committee cannot inform Your Lordship whether Mr. La Fontaine and the inhabitants in whose behalf he petitions, viz., Madame Beaudin, who has 3 acres; Aubin Desgouffre, 4 acres; Athenass Boudross, 3 acres; La Plante, 3 acres; Pat Orlay and Fortin, each 1 acre, each by 40 deep, are settled on private property or on the waste lands of the Crown on the Grand River, but if the lands they actually possess there are in the gift of the Crown, they humbly recommend that grants may be made to them.

Mr. La Fontaine holds three acres in front by 40 in depth. All which is humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 26th Nov'r, 1788.

The said Report being read, His Lordship, with the advice of the Board, made the following Orders, viz:

Lieutenant Lewis Foy: That the Surveyor-General report a survey accordingly.

Lieut. John Stagman: That the Surveyor-General report a survey of three hundred acres more, in addition to the two hundred acres, Lot No. 19, he has obtained in the Third Concession of the Township of Osnabruck; which will make in the whole five hundred acres to be granted to the petitioner.

Charles Reaume: That the Surveyor-General report a survey of two hundred acres to be granted to him.

Mr. Charles Thomas: That the Surveyor-General report a survey of five hundred acres to be granted to him.

John De Courcy Gill: That the Surveyor-General report a survey of five hundred acres to be granted to him as located.

John Emerson: That the Surveyor-General report a survey of five hundred acres to be granted to him as located.

Mr. De La Fontaine: That the Surveyor-General report a survey of the lands prayed for, and which they actually possess, if the same be in the gift of the Crown.

His Lordship informed the Council that applications had been made to him on various grounds for further grants of lands by Messrs. Neil McLean, of Kingston in the District of Mecklenburgh; Robert Hamilton, Nathaniel Petit, John Burch, John Warren and Philip Stedman of Niagara in the District of Nassau. His Lordship therefore proposed to the Council that such quantities be allotted to them in addition to their present occupations, as to put them upon the whole in possession of seven hundred acres each: Upon which it was ordered that the Surveyor-General report surveys accordingly of their several locations.

Tuesday, 27th January, 1789.

Present: His Excellency The Right Hon'ble Guy, Lord Dorchester; The Honorable William Smith, Esquire, Chief Justice; Hugh Finlay, George Pownall, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, George Davison, Adam Mabane, Chas. De Lanaudiere, J. G. C. Delery, Le C'te Dupré, Esquires.

The Report of the Committee for a Digest of Regulations in the Land Office was read and referred to a Committee of the whole Council.

Tuesday, 17th February, 1789

Present: His Excellency The Right Hon'ble Guy, Lord Dorchester; The Hon'ble William Smith, Chief Justice; Hugh Finlay, George Pownall, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Chas. De Lanaudiere and Adam Mabane, J. G. C. Delery and Le Comte Dupré, Esquires.

His Lordship laid before the Council the report of Committee of the whole Council on the Digest of the Regulations for the granting of the waste land of the Crown, reported by the Private Committee who had been charged therewith both which reports were read, and ordered to be entered in the Minutes, viz.:

The Report of the Private Committee consisting of the Chief Justice, Mr. Finlay, Mr. Secretary Pownall, Col. Caldwell and Mr. Grant, to whom it was referred to revise the Orders, respect'g the conduct of the Land Office, and to report a Digest of the Regulations adviseable for the services of that department:

The Committee in obedience to Your Lordship's Order of the 29th of December last, met and read the same on the 13th of January instant. The Committee cannot avoid expressing their gratitude to Your Lordship for the measures taken in your late visit to the western parts of the Province, to give facility to the new settlements so essential to its trade, strength and prosperity, as well as the general security of the Dominions of Great Britain on this continent.

Adopting similar views and persuaded that the population of the country is at the bottom of every advantage to be drawn from these important appendages of the Empire, the Committee humbly propose as the result of their present deliberations upon the subject of the reference:

I. That the erection of like Boards with those already formed and mentioned in the Order of the reference will be expedient in the southern and eastern as well as western parts of the Province.

II. That each board ought to consist of not less than three Members, and if composed of more, that three only be a quorum for the business intrusted to the whole Board.

III. That every Board be considered as impowered to receive applications for grants of parcels of the waste lands of the Crown within the District of their trust, until the first day of May in the year 1791; when their authority, unless continued by a new appointment, shall be determined; every of which applications to be by petition to the Governor-in-Council, stating the quantity and situation of the land prayed for, and the merits and pretensions of the petitioners; and that all His Majesty's natural born, good and faithful subjects, Canadians, and others fit to become subjects be considered as proper objects for his bounty and grace and within the sphere of this trust.

IV. That it be the duty of the Board to hold stated and periodical meetings made publickly known; to give free and easy access to petitioners; and to examine into their loyalty, character and pretensions; and upon these and all points requisite, to take sufficient and satisfactory proofs by affidavit, deposition or otherwise; and to avoid discontents that they take up the petitions and applications in the order of their being preferred, where there is no special cause for a different course of proceeding.

V. That where well satisfied of the safety and propriety of admitting the petitioner to become an inhabitant of this Province the Board administer to him the Oath of Fidelity and Allegiance; and then give him a certificate to the Surveyor-General, or any person authorized to act as an agent or Deputy Surveyor for the District within the trust of that Board, expressing the ground of the petitioner's application; who, within two days after the presentment of the certificate shall assign the petitioner a single lot of two hundred acres, describing the same with due certainty and accuracy, under his signature.

Settlement Within One Year: But the same nevertheless to have no effect, if the petitioner shall not enter upon the location and begin the improvement and cultivation thereof within one year from the date of such assignment; or if the petitioner shall have lands assigned to him before that time in any other part of the Province.

VI. That the Boards every three months transmit to the Office of the Governor's Secretary the petitions of that period, and a copy of the certificates given thereon; and when there is a request for a greater quantity that they report the ground of such claim and pretensions; the consideration whereof is reserved to the Governor and Council, the Board transmitting with the petitions of the interval, a list expressing the names of the petitioners and the dates of their certificates, and the quantum of the locations.

VII. That the Boards do from time to time forward like lists to each other every three months, or as soon after as opportunity offers.

VIII. That the respective Boards on petitions from loyalists already settled in the upper Districts, for further allotments under the Instructions to the Deputy Surveyor-General of the 2nd June, 1787, or under prior or other Orders for assigning portions to their families, examine into the ground of such requests and claims; and being well satisfied of the justice thereof, grant certificates for such further quantities of land, as the said Instructions and Orders may warrant, to the Acting Surveyors of their Districts respectively to be by them made effectual in the manner before mentioned; but to be void nevertheless, if prior to the passing the grant in form, it shall appear to the Government that such additional locations have been obtained by fraud; and that of these the Boards transmit to the Office of the Governor's Secretary, and to each other, like reports and lists as hereinbefore as to other locations directed.

IX. That the Boards and Deputy Surveyors be attentive to the general interest of the settlers by preventing individuals from monopolizing such spots

as contain mines, minerals, fossils and conveniences for mills, and other singular advantages of a common public nature; the grants whereof are reserved to the consideration of the Governor and Council, on due information to be communicated or acquired respecting the same. (See page 54.)

X. That the Surveyor-General's Office for the purpose of combining the strength of the settlers and rendering them mutually assistant to each other, lay out the tracts or townships to be granted as nearly contiguous to each other as the nature of the country will permit, exercising all due care to give them certainty in the descriptions of their boundaries and locations; observing, in each township to lay out town plots, glebes, and other spaces for public uses; and in each township of thirty thousand acres to leave five thousand acres in equal portions at the corners thereof, to remain to the Crown unlocated, by any certificate to be granted to individuals by the authority of either of the Boards above mentioned; and that the Surveyor-General's Office forthwith issue Instructions to its Deputies or Agents surveying in the Districts, for a due attention to this object; the grant of such portions of every township so to remain to the Crown, being reserved to the future consideration of the Governor-in-Council, or as His Majesty shall be pleased to direct and command respecting the same.

XI. That the Surveyor-General's Office prepare a plan of each District of the Province, exhibiting thereon every tract granted under certificate of location; and that there be added to it from time to time the tracts hereafter to be pledged or promised or granted; and as often as a petition shall have the consent of the Council for the patent therein prayed for, that the Surveyor-General without delay file in the Council Office his returns of survey, with such clear description of the tract as shall enable the Attorney-General to prepare the Draft of a Patent or grant intended to be engrossed for the Great Seal.

XII. That the Clerk of the Council put the same returns of survey into the hands of the Attorney-General, who shall return them with his Draft of the Patent into the Office of the Governor's Secretary to be there stayed or thence issued as the Governor may see cause to direct.

XIII. That the Surveyor-General's Office consult the best means, and give correspondent orders to its Deputies for preventing unnecessary expense in the surveys; the Crown's interest requiring that the patentee receive no more, nor any other tract, than it shall appear from the patent to be the intention of the Government to grant him, and the patentee having cause to be contented if the descriptive words in his grant shall enable him to locate and discover with due certainty what tract he is to take, and it being manifest that after such actual surveys as shall be requisite to ascertain any particular township or tract, the description of another contiguous thereto, or depending thereon, will not require any field work previous to the grant thereof, all subsequent grants in contiguity and succession properly described in the returns of survey, being connected with or dependent upon the accurate description and ascertainment of the first tract surveyed.

XIV. That the standing Committee of the Council for reporting upon petitions for lands, lay aside all such as contain no specific quantity, or location of lands desired; and once a month cause a notification of such imperfect petitions to be published in the Quebec *Gazette*.

XV. That it will greatly conduce to the cultivation and settlement of the Province that due diligence be exercised in the several Offices of the Land-granting Department and that it appears to the Committee that a new regulation of the fees for their respective services is necessary, so that on the one hand the settle-

ment of the Province may not be checked by unreasonable exactions, nor on the other the officer be discouraged for want of a just reward for his labour.

XVI. The faith of Government being considered as pledged to all such as have acquired Certificates of Occupation in due course, or shall in future acquire them under the present Boards, or such other Boards as Your Lordship may hereafter think proper to constitute, the Committee apprehend it to be expedient that the Surveyor-General's Office do form a schedule of all lots under such certificates in any part of the Province, specifying the petitioners' names, the quantum of the location, the place where, and the date; and that a copy thereof be lodged in the office of the Governor's Secretary, another in the office of the Clerk of the Council for the use of the Board, and a copy sent to each of the Boards above mentioned, and that this practice be continued as to all subsequent certificates, at the end of every three months.

And to the intent that there may be as little trouble, and as much expedition as possible, with a saving of all unnecessary expense, in obtaining Grants and Patents; and more especially to favour the loyalists and other settlers remote from the capital of the Province, the Committee perceive it of general utility that the Secretary's Office do every six weeks notify in *The Gazette* all such applications for lands (as upon the receipt thereof the drafts of patents from the Attorney-General's Office) are so far advanced as to be ready for the Great Seal.

And that it will also be expedient and useful that several printed copies of these regulations if approved, or any others which Your Lordship and the Board of Council may be pleased to adopt and ordain for the conduct of the Land Office Department, be transmitted by the Clerk of the Council to the several Boards formed and to be formed for the purposes aforementioned, to be by them made public in their several Districts. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

Wm. Smith, Chairman.

Quebec, Friday, the 16th January, 1789.

Report of the Committee of the whole Council, the Members convened being the Chief Justice, Messrs. Harrison, Collins, Mabane, Delery, Secretary Pownall, Grant, Baby and Dupré, to whom was referred the Digest of Regulations for the disposition of the waste lands of the Crown. The question was put by the Chairman, upon each of the Regulations recommended above by the private Committee, and were all carried unanimously in the affirmative, without division, except as to the first and tenth proposed regulations.

On the question of concurrence respecting the first Regulation, Mr. Delery suggested and moved in the words following: "Sur ce que Mr. Mabane dit qu'il y a une lettre du Secretaire d'Etat de Sa Majesté qui defend d'établir les Terres sur Frontieres de la Nouvelle Angleterre, je propose, que Son Excellence soit supplier, de vouloir bien communiquer cette Lettre au Comité Mr. Mabane adjoutant, que le Général Hope l'a declaré plusieurs fois en Conseil."

Mr. Grant was alone in the negative against this motion. Having carried it, Mr. Delery then moved that Mr. Mabane, Mr. Baby and himself might forthwith wait upon Your Lordship with a copy of the above motion to know Your Lordship's pleasure thereon.

That motion being granted and order taken accordingly, the Committee continued assembled until Messrs. Delery Mabane, and Baby reported that they had waited upon Your Lordship, and that Your Lordship did "not think

it regular on the part of the Council to apply for communication of Ministerial Letters."

The Chairman then put the question again upon the first Regulation, and debates arising, and there being four voices for the Affirmative, to wit: Mr. Grant, Mr. Pownall, Mr. Collins and Mr. Harrison; and four voices for the Negative, to wit: Mr. Dupré, Mr. Baby, Mr. Delery and Mr. Mabane, the Chairman voted with the former; and thus the question of concurrence with the Private Committee was carried in the Affirmative.

On reading the tenth Regulation, Mr. Collins moved that each township, instead of thirty thousand acres, might consist of nine miles square, or fifty-one thousand eight hundred and forty acres.

But his being the only voice for the motion it was carried to concur with the Private Committee, and thus the Report of the Private Committee is concurred in by the Committee of the whole Board. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

His Lordship then ordered a draft of Rules and Regulations for the Conduct of the Land Office Department formed upon the suggestions of the Committee, with such alterations and additions as appeared to His Lordship proper to be adopted, and to be published, as recommended in the Report.

The additions to be incorporated in the Rules and Regulations are as follows: (See pages 51, 52).

And the more effectually to prevent abuses, and to put individuals on their guard in this respect, any certificate of location, given contrary to the true intent and meaning of this Regulation, is hereby declared to be null and void, and a special order of the Governor and Council made necessary to pledge the faith of Government for the granting of any such spots as are above directed to be reserved.

The dimensions of every inland township shall be ten miles square, and such as are situated upon a navigable river or water shall have a front of nine miles and be twelve miles in depth, and shall be laid out and subdivided respectively in the following manner, viz.:

Inland Township: Reference to a plan of a town and township of ten miles square proposed for an inland situation.

The town is in the centre, one mile square, and the town lots each one acre. The small squares uncoloured in the center of the plan contain each four acres, and are to be divided into four town lots. The open area of half a mile round the town is to be reserved. The town parks join this reserve, all round, containing each twenty-five acres, one rood and thirty-seven perches. The township lots are the large outside lots containing each two hundred and eleven acres and twenty-eight perches.

A—Reserves for the Crown: B and C—Church, Parsonage and School House; D—Goal and Court House; E—Work House; F—Church Yards, Hospitals, &c.; G—Public Squares; H—Market Places; I—Town Park for a Schoolmaster; K—Town Park for a Minister.

Calculation for an inland town and township of ten miles square containing 64,000 acres; public squares, 5 equal plots, containing 20 acres; public buildings, 8 equal plots, containing 32 acres; market places, 4 equal plots, containing 16 acres.

For settlers to be subdivided into 4 lots each, 104, containing 416 acres.

Eight streets from the Center Square, 96 ft. wide each, the other streets are 60 ft. wide each, 156 acres; reserves round the town, 1,920 acres; town parks,

288, equal, 7,341; township lots, 252, equal, 53,217; township roads, equal, 881, 63,999 acres.

Reserves for the Crown and Public Uses: Public Squares, 20 acres; Public Buildings, 32 acres; Market Places, 16 acres; Streets, 156 acres; Reserves round the Town, 1,920 acres; Town Parks, 2 equal, 50 acres; Township Lots in the Corners, 32 equal, 6,757 acres; Roads in the Concessions of 66 feet wide, 881 acres; Glebe, 422 acres; Schoolmaster, 211 acres.

Township upon a Navigable River or Water: Reference to a Plan of a Town and Township of nine miles front by twelve miles in depth, proposed to be situated on a river or lake.

The Town is one mile square, the town lots each one acre.

The open Area of half a mile joining the Town Lots to be reserved.

The Town Parks join the Reserve all round containing each twenty-four acres, one rood and twelve perches.

The Township Lots are the large Outside Lots containing each two hundred and three acres, two roods and four perches.

A—Reserves for the Crown; B and C—Church, Parsonage and School House; D—Gaol and Court House; E—Work House; F—Church Yards, Hospitals, &c.; G—Public Squares; H—Market Places; I—Town Park for a Schoolmaster; K—Town Park for a Minister.

Calculation for a Town Lot and Township of nine miles in front by twelve miles in depth, proposed to be situated on a River or Lake containing 69,120 acres: Public Squares, 5 equal to 20 acres; Public Buildings, 8 equal to 32 acres; Market Places, 4 equal to 16 acres; for Settlers, one acre each, 416 acres; eight Streets from the Center Square, 96 ft. wide each, 156 acres; the other Streets are 60 ft. wide each; Reserves round the Town, 1,176 acres; Town Parks, 218 equal, 5,303 acres; Township Lots, 300 equal, 61,060 acres; Township Roads, equal, 939 acres.

Reserves for the Crown and Public Uses: Public Squares, 20 acres; Public Buildings, 32; Market Places, 16; Streets, 156; Reserves round the Town, 1,176; Town Parks, 2 equal, 48; Township Lots in the Corners, 40 equal, 8,131; Roads in the Concessions of 66 feet wide, 939; Glebe, 407; Schoolmaster, 203 acres.

And the Surveyor-General's Office shall prepare accurate plans according to the above particulars, which shall be filed in the Council Office to be followed as a general model, subject to such deviations respecting the site of the town and direction of the roads, as local circumstances may render more eligible for the general convenience of the settlers. But in every such case it shall be the duty of the Surveyor-General and his Agents or Deputy Surveyors to report the reasons for such deviation, to the Governor or Commander-in-Chief for the time being with all convenient speed.

Ordered that all the Boards and officers of the Land-granting Department govern themselves according to the foregoing Rules and Regulations, and that the Clerk of the Council cause the same to be printed, and transmit copies thereof to the different Boards to be made public in their respective Districts, and to all the officers concerned.

Saturday, the 11th of April, 1789.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable William Smith, Esquire, Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, P. R. De St. Ours, John Collins, Francis Baby, Adam Mabane, Jos De Longueuil, J. G. C. Delery, Sir John Johnson, Bart.; George Pownall, Chas. De Lanaudiere, Picotté De Belestre, Rene A. De Boucherville, John Fraser, Le C'te Dupré.

Land Board Appointed for Hesse: His Lordship communicated to the Board an appointment made by His Lordship of a Board for receiving applications for Grants of parcels of the waste lands of the Crown in the District of Hesse, as follows: Schedule of a Board, appointed by His Excellency the Governor, for receiving applications for Grants of Parcels of Waste Lands of the Crown in the District of Hesse.

Major Close or Officer commanding at Detroit; William Dummer Powell, Esq., Justice of the Court of Common Pleas; Duparon Baby, Alex'r McKee, Will'm Robertson, Alex'r Grant, St. Martin Adhemar, Esquires, Justices of the Peace, or any three of them.

Tuesday, 14th July, 1789.

Present: His Excellency The Right Hon'ble Lord Dorchester, The Hon'ble William Smith, Chief Justice; Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Adam Mabane, George Davison, J. G. C. Delery, Chas. De Lanaudiere, George Pownall, Le C'te Dupré, Esq'rs.

Sir John Johnson and Mr. Joel Stone: Read the Report of a Committee of the whole Council (consisting of the Chief Justice and Messrs. Finlay, Dunn, Harrison, Collins, Mabane, Delery, Pownall, De Belestre, Fraser, Caldwell, Grant, De St. Ours, Baby, De Longueuil, De Lanaudiere, Boucherville and Dupré) respecting lands on the River Thames or Gananoque, prayed for by Sir John Johnson, Mr. Joel Stone and Daniel Jones, as follows;—

My Lord: Having read the Report and Proceedings of the Land Committee, and considered what has been offered by the petitioners, the Committee are humbly of opinion: That no Patent can pass for mines, minerals and fossils or valuable earths until His Majesty's pleasure shall be further known. The Committee are informed that the lands prayed for comprehend water-falls convertible to works of general utility, with bodies or mines of iron ore, and conceive that if it shall please His Majesty to permit such grants to be made it will be expedient to insert in them such conditions as will compel the patentees to improve them to the common advantage.

That Sir John Johnson and the said Joel Stone as loyalists and proper objects of His Majesty's bounty may be gratified by a joint grant in several proportions, and that for that purpose it may be expedient to cause a survey of such tract or tracts comprehending the water-falls and ore as may be necessary for the works in contemplation; and that the patent (whenever such patent can pass agreeable to His Majesty's Instructions) be so framed as to interest them in such several shares as bear a proportion to the tracts they have severally prayed for.

And respecting the petition of Daniel Jones the Committee are of opinion that the petitioner ought to be considered only for such lands as are intended for that class of petitioners, whose main object is settlement for the common purpose of agriculture.

Wm. Smith, Chairman.

Bishop's Palace, 18 April, 1789.

Abraham Pastorius: The further Report of the Land Committee (Messrs. Finlay, Collins and Grant and De Lanaudiere):

May it please Your Lordship: On the application of Mr. Abraham Pastorius a reduced Lieutenant of a late corps of Guides and Pioneers commanded by Major Holland, the Committee took up his petition of the 6th of September last,

upon which report had already been made to your Lordship, that the Deputy Surveyor-General of lands could not at that time inform the Committee whether there was any waste land the property of the Crown adjoining the priest's seigneurie of St. Sulpice, the place the petitioner had prayed to have his lands. Mr. Collins now reports that he finds waste lands there in the gift of the Crown. In a postscript to Mr. Pastorius's petition, he prays to be put on a footing with the subalterns of the 84th and Sir John Johnson's Regiments.

The petitioner laid before the Committee very ample and very satisfactory certificates of essential services rendered by him to the British Army on excursions into Pennsylvania whilst they lay in Philadelphia, and of his sufferings and losses in consequence of his loyalty and steady attachment to the British Government. Signed by Sir William Howe, Brigadier-General Abercrombie, Colonel Balfour, Lt.-Col. Simcoe Commanding the Queen's Rangers, and Lt. Rogers of His Majesty's Ship *Liverpool*.

The petitioner states in a letter laid before this Committee that the services he performed, as set forth in the certificates, were prior to his holding a Lieutenant's Commission; that he had been on all the excursions from Philadelphia, and that he left that place with Sir Henry Clinton and was in the Battle of Monmouth.

In observance of the Rule laid down by His Majesty's Instructions relative to the quantum of lands to be granted to reduced officers of Provincial corps, the Committee cannot recommend Mr. Pastorius's prayer to be put on a footing with the subalterns of the 84th Reg't. As a reduced Lieutenant of Guides and Pioneers he is entitled by His Majesty's bounty to 500 acres of land, together with 250 acres for his wife and four children. The Committee having regard to Mr. Pastorius's services humbly recommend him to consideration for an additional grant of twelve hundred and fifty acres, to make up the quantity of two thousand acres that he has prayed for, which he will look upon as an honourable reward for his services, and a mark of Government's approbation of his conduct during the late troubles in the Colonies, now the United States. He has declared his intention to make immediate settlement on those lands. The Committee humbly conceive that but few applicants for His Majesty's bounty in lands will cite Mr. Pastorius's case as a precedent, for but few will be able to come forward furnished with such testimony to support their pretensions, yet if such should appear, the Committee are humbly of opinion that it is within the sphere of Your Lordship's reference to them to state the services of claimants, and recommend them to favourable consideration as to the quantity the Committee may deem reasonable. They beg leave further to add in favour of the petitioner, that he has the honour to be a member of the Board established by Your Excellency at Montreal for the settlement of the waste lands of the Crown, and the Committee have been informed that he has been active and useful at that board. All which is humbly submitted to Your Lordship's wisdom.

Hugh Finlay, in the Chair.

Quebec, 18th June, 1789.

Report of the Land Committee dated 19th June, 1789.

Further progress of the Land Committee at several meetings consisting of Messieurs Finlay, Collins, Caldwell and Grant, who humbly report to Your

Lordship: That of the applications for parcels of the waste lands of the Crown referred to this Committee by Your Excellency, they have examined the following:

Capt. Dan'l Robertson: The petition of Capt. Daniel Robertson of the 84th Regiment, dated the 3d May, 1788, together with his letter of the 26th of February, 1789, praying for lands (at the back of the tract he has obtained as a reduced Captain) for his son John,and his daughters Margaret, Charlotte and Elizabeth, which he will endeavour to settle with all speed. The Committee are of opinion that his prayer cannot be granted as the 3,000 acres obtained by him as a reduced Captain includes all that he may claim for himself and family; yet if any of his children intend to settle on new lands, apart from their father's tract, application should be made by the person who intends to settle the same.

Nathaniel Lines: The petition of Nathaniel Lines, Interpreter of the Messessaga language, states that he has drawn 800 acres of barren land in Pittsburg, and that he wishes to exchange that lot for an equal quantity of acres in Isle Foret.

The Deputy Surveyor-General has informed the Committee that Isle Foret is claimed by the Messessaga Indians, so that the prayer of this petition cannot be granted. Mr. Aikin, a Deputy Surveyor, has been directed by the Deputy Surveyor-General to lay off 800 acres for the petitioner in any other unconceded part of the township.

Sir John Johnson: The petition of Sir John Johnson, Baronet, dated the 27th of April, sets forth that he is willing to accommodate Capt. Stone with a part of the lands and water-falls at Cananoqué. He will relinquish any pretensions he may have been considered to have had to the west side of the said river, and therefore prays that two small islands known by the names of Nut Island and Isle au Bled d'Inde, lying nearly opposite the mouth of the said river, may be granted to him to make up the quantity of land prayed for in his former petition.

The Committee beg leave to observe that the petition alluded to by Sir John, together with a report thereon made by this Committee, were referred by Your Lordship to a Committee of the whole Council, and on the 18th of April the Chief Justice as Chairman signed the Report and presented it to Your Lordship, to which this Committee humbly refers (see page 56).

Nut Island and L'Isle au Blé d'Inde, lying at the mouth of the River Cananoqué, as prayed for by the petitioner, may, in the opinion of this Committee, be granted to make part of 4,000 additional acres he is entitled to by the late Resolve of Your Excellency and the Council putting Sir John Johnson's Regiment on a footing with the 84th.

Thomas Handfield: The petition of Thomas Handfield, formerly an Ensign in the 47th, son of the late Colonel Handfield of the XL Regiment. The Committee having considered his situation, as stated in his petition, with the Certificate of Service, signed by the late Brigadier-General Hope, annexed thereto, humbly recommend him for a grant of a thousand acres for himself, wife and eight children, to be laid out in any of the new townships lately surveyed on the Ottawa or Grande River.

Thos. and Terence Smith: Thomas and Terence Smith pray for such quantity of land as Your Lordship would have allowed to their deceased father,

Doctor George Smith, in reward of secret services rendered to Government during the late troubles in the Colonies, now the States.

The Committee, tho' they have heard that Doctor Smith had been employed and had been useful, cannot state anything as to the nature or extent of the services performed by the father of the petitioners; but, from the circumstance of his having been employed at St. Johns by General Haldimand as Preventive Officer the Committee presume that that employment was given to him as a mark of approbation and in reward of past services. Thomas has received 500 acres as a reduced Lieutenant; Terence is entitled as a loyalist to 200 acres.

Rev. Mr. Stuart: Read the petition of the Reverend Mr. Stuart for 1,500 acres of land in addition to 500 which he has already obtained as Chaplain to the Second Battalion of Royal Yorkers, and 300 acres, over and above, for his wife and children. The Committee cannot recommend the prayer of this petition, as by the 41st Article of His Majesty's Instructions to Your Lordship*, they find that none but Field Officers, Captains, Subalterns, Non-commissioned Officers and Privates had the Royal promise for lands at the raising of that corps. The petitioner, as Chaplain to the Royal Regiment of New York, is not by Your Excellency's Resolve in Council (which puts Sir John Johnson's or Royal N. York Reg't on a footing with the 84th) entitled to more land than he has already received.

Robert Clarke: Robert Clarke, a millwright, prays for a grant of Lot No. 18, in the first concession of the Township of Ernest Town where he wishes to erect a grist-mill. The Committee are of opinion that under the eighth Regulation for the conduct of the Lands Department, the Surveyor for the Township of Ernest Town could not put the petitioner in possession of the lot prayed for without Your Lordship's special order for that purpose, but, if it shall please Your Excellency to favour the petitioner by granting his prayer, on condition that he shall construct a good grist-mill there immediately, they are of opinion that it would be of great benefit to the settlers around. The Committee understand that the petitioner is an industrious and a skilful mechanic; they are on that account inclined to recommend him, except Mr. Grant.

Rev. Mr. Doty: The Reverend Mr. Doty prays for 2,000 acres of land in the first township to be laid out on the Ottawa River, as Chaplain to the first Battalion of Royal New Yorkers. The Committee considering him in the situation of the Rev'd Mr. Stuart, can recommend him but for 500 acres together with 50 acres for every person of which his family consists.

Joseph Harkimir: Joseph Harkimir petitions for lands which he supposes his deceased son would have obtained had he lived, in consequence of his having served as a Lieutenant in Colonel Butler's Company of Rangers during the late war, and praying that a Lieutenant's quota may be laid off for him (as heir to his son) on the Isle Forêt. Without entering into the consideration of the merits of the petitioner's claim for lands which his son, a reduced Lieutenant of a Provincial corps was entitled to, they think it necessary (at present) only to observe that the petitioner cannot have lands on the Isle Forêt as that island is claimed by the Messessaga Indians, as before reported. All which is most humbly submitted to Your Lordship's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 18th June, 1789.

*Vol. III, Ontario Archives, 1905, p. LXV.

Upon which it was ordered by His Excellency the Governor with the advice of the Board that the Surveyor-General report the following surveys:

1st. For Sir John Johnson, Bart.: One thousand acres bounded on the south by the River St. Lawrence, and on the west by the River Gananoque, now called the Thames, in the accustomed proportions of depth and front upon the River St. Lawrence, the north running parallel to a streight line across the tract on the south boundary, and the east parallel to a streight line across the tract on the west boundary.

2nd. For Joel Stone: Any quantity not exceeding seven hundred acres at the option of the petitioner, bounded on the south by the River St. Lawrence, and on the east by the River Gananoque, now called the Thames, in the accustomed proportions of depth and front upon the River St. Lawrence, the north running parallel to the south, and the west parallel to the east boundary.

3rd. For Sir John Johnson, Bart.: Two small islands known by the names of Nut Island and Isle au Bled d'Inde, lying opposite the mouth of the River Gananoque or Thames.

4th. For Thomas Handfield, his wife and eight children: Nine hundred and fifty acres on the Ottawa or Grande River.

5. For Robert Clarke: Lot No. 18 in the First Concession of the Township of Ernest Town.

7. For Abraham Pastorius, his wife and four children: One thousand acres adjoining the Seigneurie of St. Sulpice.

9. For the heirs of Mr. Hay, late Lieut.-Governor of Detroit: Seven hundred acres between the upper and lower settlements.

10. For Lieut. Henry Hay: Five hundred acres adjoining to the lands to be surveyed for the heirs of the late Lieut. Governor Hay.

11. For Adam Impey and the heirs of Lieut. Henry Hare, of the Indian Department: Five hundred acres upon the Ottawa River.

12. For Frederick Rastoul, Louis March à terre, Francois Jacquet and J. B. Ferré: Two hundred acres each at Toronto near Mr. Rocheblave's tract.

13. For Antoine Landriaux, Joseph Pagé, Adam Weimer, and the heirs of Orillat: Two hundred acres each at Toronto.

14. For Richard Beasely and Peter Smyth: Two hundred acres each, one at Toronto, the other at Pemistiscutiank, a place on the north of Lake Ontario, if in the gift of the Crown, and not interfering with any public or general arrangement.

15. For Richard Goring: Two hundred acres on the south side of Lake St. Francis, if in the gift of the Crown, and not interfering with the allotments already ordered.

Read the memorials of Normand McLeod, Jacob Schiefflin, Joseph Moore, Baron Schaffalitzky, and a representation of Joseph De Longueuil, Esq., in behalf of certain reduced officers who served at Bennington, filed this day, upon which it was ordered by His Excellency the Governor with the advice of the Board that the Surveyor-General report the following surveys:

1. For Normand McLeod: Five hundred acres on the Ottawas River near the tract allotted to the officers of the late 84th Regiment.

2. For Jacob Schieffelin: Five hundred acres on the north side of the Ottawas at Chipoile in the third township supposed to be lots No. 25, 26 and 27, if vacant and unlocated.

3. For Joseph Moore: The Town Lot No. 34 in Queen Street at William Henry, if vacant and unlocated.

4. For Baron Schaffalitzky: Five hundred acres at the River Chateauguay, if not interfering with the allotments already made.

5. For Godefroy De Tonnancourt, Mon. Bleury and Mon. Piedmont: Five hundred acres each at the River Chateauguay, if not interfering with the allotments already made.

Wednesday, 26th August, 1789.

Present: His Excellency The Right Honble. Lord Dorchester, The Honble William Smith, Esq., Chief Justice; Hugh Finlay, George Pownall, Thos. Dunn, Henry Caldwell, Edw'd Harrison, William Grant, John Collins, Francis Baby, A. Mabane, Chas. De Lanaudiere, J. G. C. Delery, Esquires.

Read the following Report:

My Lord: The Committee of the whole Council, to whom it was referred, to consider what additions might be expedient for the conduct of the Land Office Department, have had several meetings for deliberating upon that subject; and submit their Journal annexed hereto, containing the additional Articles, which the Committee conceive adequate to the several objects of the Reference. All which the Committee most humbly submit to Your Lordship's great wisdom.

Wm. Smith, Chairman.

Quebec, Friday, 21st August, 1789.

Journal of a Committee of the whole Council charged to consider of such additions, rules and regulations as were expedient for the conduct of the Land Office Department.

Met on Wednesday, the 19th August, 1789. Present: The Chief Justice, Messrs. Finlay, Pownall, Dunn, Caldwell, Harrison, Grant, Collins, Baby, Delery, Davison.

This letter to the Chairman was read:

Quebec, 19th August, 1789

Sir: His Excellency Lord Dorchester having grounds to apprehend that delays and abuses have arisen in the land-granting Department, on account of the distance of the Surveyor-General's Office from its agents or deputy surveyors in various parts of the Province, and that some of the said surveyors have in

divers instances attempted to dispose of the waste lands of the Crown without authority, under pretext of executing the King's Instructions to the Governor relative to the allotments to be made to disbanded troops, and under other colours and pretences, I have His Lordship's commands to intimate his desire, that you convene the Council for the purpose of deliberating and reporting to him their opinion of the most effectual way of curing the evil and whether it may not be expedient for that purpose to put the said surveyors under the control and supervision of the Land Boards in the different parts of the Province, and to transfer to the said Boards, jointly with the magistrates and officers of Militia and other intelligent planters, the discretionary power now remaining with the said surveyors, of deviating in certain cases from the models prescribed in the Xth Article of the Rules and Regulations for the conduct of the Land Office Department of the 17th of February last, respecting the scites of the towns and the directions of the roads, as also whether the Regulations contained in the said Tenth Article respecting a subdivision of town plots, reservations for the Crown, and public uses, and the directions of the roads, may not, in part, at least, be extended to the townships laid out prior to the said Regulations, though many of them are now far advanced in their settlements, and further, whether it may not be advisable to empower the said Boards to receive applications and issue certificates for building lots in such towns as are, or may hereafter be laid out in the different Districts, upon certain conditions. I am, Sir, Your most obedient humble Servant. (Signed) HENRY MOTZ.

At a meeting on the 21st August, 1789.

Present: The Chief Justice, Messrs. Finlay, Caldwell, Dunn, Grant, Harrison, Baby, Collins, Davison, Mabane, De Lanaudiere, Delery, Dupré.

The Chairman produced to the Committee a draft of additional instructions in the Land Office Department for the consideration of the Committee, to be reported with such amendments as the board may approve, in compliance with the intention expressed in the reference. The draft adjusted and approved and ordered to be reported in the Committee is in the words following, viz't:

Additional Rules and Regulations for the conduct of the Land Office Department:

I. Whereas there is reason to apprehend that delays and abuses have arisen in the Land Granting Department, on account of the distance of the Surveyor-General's Office from its agents or deputy Surveyors in various parts of the Province and that some of the said surveyors have in divers instances attempted to dispose of the waste lands of the Crown without authority, under pretext of executing the King's instructions to the Governor relative to the allotments of lands to be made to disbanded troops, and under other colours and pretences, it is therefore hereby ordered and directed, that all surveyors employed by the Government under instructions from the Surveyor-General's Office for making surveys and allotments of the waste lands of the Crown in any part of the Province, forthwith make reports to the land boards for the respective districts of all allotments made by them (the said surveyors) specifying their authority; that individuals conceiving themselves secured in the possession of such unauthorized locations, as are aforementioned, may be apprized of the error. And the boards are to keep a vigilant eye over all encroachments by individuals upon the waste lands of the Crown under pretext of such unauthorized locations or otherwise; communicating such full information as may be requisite for discriminating the case of deceived and incautious settlers from other intruders, that those who

may reasonably expect the favour of government may receive such indulgences as their cases may be found to require.

II. No allotments whatever shall henceforth be made by any of the said surveyors, except by the written authority, directions or certificate of the respective boards. And as often as such certificate or authority of the board shall come to the hands of the surveyor, to whom the same is directed, it shall be his duty to locate the tract therein mentioned and give his Certificate of Location to the intended grantee, at the foot or on the back of the authority of the board accordingly.

And as often as an order of the Governor-in-Council issues for a grant of lands to be made, the Clerk of the Council shall transmit a copy thereof to the board of the district in which the lands to be granted are situated, to enable the board to give the authority before directed for the tract being located by the surveyor.

III. The boards are to take care that the orders contained in the tenth article of the Rules and Regulations for the Conduct of the Land Office Department of the 17th of February last, relative to the dimensions and subdivisions of townships, be duly executed by the different surveyors, and for this purpose the said orders are here inserted at length for the information and guidance of the boards, viz't:

The dimensions of every inland township shall be ten miles square and such as are situated upon a navigable river or water shall have a front of nine miles and be twelve miles in depth.

The town plot in every township shall be one mile square. In an inland township it shall be situated in the centre thereof and in a township upon a navigable river or water, it shall be in the centre of the front bordering upon the river or water.

Every town lot shall contain one acre more or less.

Every town park shall contain twenty-four acres more or less.

Every farm lot shall contain two hundred acres more or less.

There shall be a public square or parade in the centre of the town containing four acres more or less. (G)

There shall be four more public squares or parades of the like extent at equal and convenient distances from the centre. (G)

A square of four acres more or less shall be reserved on each side of the centre square for places of divine worship, one parsonage house, one school house, a court or town house, a prison, and a poor or work house. (B and C.)

A square of four acres more or less shall be reserved at each of the four corners of the town plot for a common burying-ground, hospital, &c. (F)

Four squares of four acres each, more or less shall be reserved for market places, at the four extremities of the town in a line with, and at equal distances from, the four corners. (H)

The eight principal streets leading from the centre square shall be ninety-six feet wide. All other streets shall be sixty feet wide. All the squares shall be open at the angles or corners.

An area of half a mile more or less in depth, surrounding the town, shall be reserved for works of defence if necessary, or such other disposition as shall be thought proper at a future period. (A)

The town park shall adjoin and surround the area just mentioned and shall be two hundred and eighty-eight in number in every inland township and two

hundred and eighteen in number in every township situated upon a navigable river or water.

One town park shall be reserved for a minister and one for a schoolmaster, adjoining each other. (I and K)

The remainder of the township shall be laid out in farm lots, the number of which in every inland township, is to be two hundred and fifty-two, and in every township situated on a navigable river or water, three hundred.

Two farm lots shall be reserved for a minister and one for a schoolmaster, situated behind the town parks, to be reserved for them respectively, and in that division of the farm lots which is nearest to the town.

In each of the four corners of every inland township, eight farm lots adjoining each other shall be reserved in the hands of the Crown. (A)

In each of the four corners of every township situated upon a navigable river or water, ten farm lots adjoining each other shall be reserved in the hands of the Crown. (A)

The roads in every township shall be sixty-six feet wide.

Copies of the approved plans according to the above particulars, filed in the Council Office are to be transmitted to each of the boards for their more particular information.

IV. And inasmuch as local circumstances may sometimes render a deviation from the foregoing orders respecting the scite of the town and the directions of the roads, more eligible for the general convenience of the settlers, the boards are hereby authorized to direct such deviations therefrom in the said particulars, as the circumstances may require; but the surveyors shall, on no pretence whatever, make any deviation from the general orders, in these or any other respects, but by the written authority of the Boards.

And it shall be the duty of the boards in every such case to report the reasons for their act to the Governor or Commander-in-Chief for the time being, with all convenient speed.

V. For the exercise of due caution in the ordering of any such deviation from the general models respecting the scites of towns and the directions of roads, as may be authorized by the boards under the preceding article, it shall be the duty of the boards as often as one or more new townships are to be laid out, to call in the magistrates, the officers of the militia and other intelligent planters of the vicinity thereof or the district at large, as the importance of the case may require; to assist in their deliberations respecting the aforesaid particulars; the majority of whom and of the members of the board present shall determine the necessity of the deviation proposed and the proper spot for the town, and the proper directions of the roads in every such township, and the board shall thereupon proceed to authorize and report the same as directed in the preceding article.

VI. With respect to all townships laid out prior and not according to the foregoing Regulations (many of which townships are now considerably advanced in their settlements), the boards are nevertheless to deliberate and fix upon the proper scites for towns, town parks, glebes for a minister and schoolmaster, and the directions of the roads in the manner directed in the preceding article. If the choice shall fall upon lands already located in due form, the consent of the occupants or rightful claimants must first be obtained by an agreement between them and the inhabitants of the township in general; to facilitate which the boards are hereby authorized to give them severally certificates directed to one of the acting surveyors of their district, for as many acres of the

vacant lands of the Crown in that or any other township as they shall have relinquished their claim to by the agreement so made.

VII. As often as the complete execution of the directions contained in the third article of these regulations shall be prevented, by reason of the necessary space for that purpose being already under promises of grants to individuals who may be unwilling to relinquish their claims to the same, the boards are to observe the following order in providing spaces for the general convenience for the township, viz.:

1. One or more place or places for the public worship of God.
2. A common burying-ground.
3. One parsonage house.
4. A common school house.
5. A town park for one minister.
6. A town park for one schoolmaster, common to the town.
7. A glebe for one minster.
8. A glebe for one schoolmaster, common to the town.
9. The court or townhouse.
10. The prison.
11. The poor or work house.
12. A market place.

proceeding therein and in the other offsets pointed out in the third article of these Regulations as far as circumstances may permit.

VIII. As often as the settlements of the farm lots in a township are sufficiently advanced, in the opinion of the boards, to render the distribution of the town lots useful for the establishment of mechanics and the erection of a church, parsonage and school house, &c., the boards are to order the surveyor to lay out the town lots and number the same; after which the boards are to receive applications and upon due examination of the character and pretensions of the petitioners, to issue to them certificates, for such lots, in the usual manner.

IX. The boards shall not issue any certificate for more than one town lot of one acre or one town lot and one town park of twenty-four acres together to the same person (being the head of a family) and this only upon condition of his building a dwelling-house on such town lot and occupying the same, within the space of one year from the date of the certificate. And in cases of competition the boards are to give the preference to such applicants for whose trades and occupations the respective lots, on account of their situation near the water or otherwise may be best calculated and to such sober and industrious mechanics whose trades are most necessary to the convenience of the township in general. And the boards are to be particularly careful to discountenance frivolous applications and not to authorize any transfers of unimproved town lots and town parks which only tend to create a mischievous monopoly of the ground. Nor shall any town parks be granted separately from town lots, the former being intended for the convenience of the settlers upon the latter and a failure in the conditions upon which the town lots are granted shall operate the forfeiture of both.

X. Nothing contained in the foregoing Rules and Regulations shall be construed to prevent the Surveyor-General or Deputy Surveyor-General from the execution of his duty and instructions in whatever part of the Province either of them may be present nor to extend to the abolition, relaxation or restric-

tion of the accustomed chain of duty or official intercourse between the Surveyor-General's Office and its agents or deputy surveyors respectively in any part of the Province.

WM. SMITH, Chairman.

21st August, 1789.

His Lordship was pleased to signify his approbation of the Rules and Regulations reported by the Committee, suggesting only as an amendment of the Third Article, that the concluding sentence thereof beginning with the word "copies" and ending with the word "information" be struck out, and that the following words be substituted instead thereof:

And all streets and roads are to intersect each other at right angles at the distances and in the directions laid down in the approved plans, filed in the Council Office, according to the foregoing particulars, copies of which are to be transmitted to each of the boards for their more ample information.

The board concurring in the amendment, it was ordered by His Lordship that the Clerk cause the amended Rules and Regulations to be printed, and that he transmit copies thereof to the different boards and to the Surveyor-General's Office for their government.

Monday, 9th November, 1789.

Present: His Excellency The Right Honourable Lord Dorchester, The Honourable William Smith, Esquire, Chief Justice; Hugh Finlay, William Grant, Thomas Dunn, Francis Baby, Edward Harrison, Henry Caldwell, John Collins, Charles De Lanaudiere, Adam Mabane, J. G. C. Delery, George Pownall and Le Ct. Dupré, Esquires.

Read the following report of the Land Committee, respecting the tract lately purchased from the Indians in the Township of Edwardsburg, viz't:

To His Excellency The Right Honourable Guy. Lord Dorchester, etc.

At a meeting on Tuesday, the 3rd of November, 1789, at the Bishop's Palace. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant, Mr. Lanaudiere.

My Lord: In obedience to Your Lordship's commands signified in Mr. Motz's letter to Mr. Finlay of the 26th of October, we have taken into consideration the papers which were therein inclosed, and having heard the Surveyor-General's Office on the matter contained in (Paper No. 1) the Resolves of the Land Office Board for the District of Luneburg, held at Edwardsburg the 21st of September last, where Richard Duncan, Esq'r, sat as President assisted by a number of the civil magistrates, field officers and captains of militia and other gentlemen of the district: We most humbly report:

I. That considering the bounds of the tract of land lately purchased from the Indians lying in Edwardsburg and intended for the scite of a town, the Committee recommend that government relinquish the reserve of the half mile area round the town there to be built and that that area may, in this peculiar situation, be laid out into town parks of six acres and a rod each, to be disposed of as Government may see fit to direct hereafter, six acres including the east point and a like quantity including the west point (the extremities of the front on the side of the river) to remain for the use of the Crown.

II. The Committee are of opinion that the 5th Article of the said Resolves, as far as relates to the dimensions and mode of constructing the houses to be built in the first and second streets in the front of the town and in the third and fourth streets, should be adopted, viz't: In the first and second streets the houses shall be twenty-four feet long and eighteen feet broad at least, by one story and a half in height from the ground and the houses in the third and fourth streets shall not be built of less length than twenty-four feet and eighteen feet broad and one story high from the ground, framed and clapboarded, or of stone and brick, well finished within a year from the date of the certificate or permission to take possession of the lot.

III. And they recommend that the tract of land to be reserved for the future support of a seminary of education for the district may be of two miles square, immediately in the rear of the town parks; and the glebe for a clergyman and one for a schoolmaster be laid off adjoining and behind the seminary lands, in the middle part of the tract.

IV. The Committee conceive that the possessors of town lots should not be laid under restraint relative to the transfer of that property.

V. They are clearly of opinion that Mr. Verneil De Lorimier's pretension to a right of possession of any part of the land lately purchased from the Indians in Edwardsburg has no foundation either from the Deputy Surveyor-General's letter of the 22d of January last or any other subsequent permission from the Surveyor's Office.

VI. The Committee humbly conceive that the Land Office Board for Luneburg may, in consequence of the 8th Article of Your Lordship's Additional Rules and Regulations of the 25th of August last for the conduct of the Land Boards, grant certificates for taking up lots in the new town, as soon as it may please Your Excellency to have it laid out.

VII. The Committee are of opinion that the proposition of Mr. Daniel Jones (set forth in the paper No. 2 referred) to build a house for the temporary accommodation of the Courts of Justice, would be of great convenience to the inhabitants of the District of Luneburg; they therefore humbly recommend that Mr. Jones may have his choice of a town lot for the building he intends to erect, so as not to interfere with any of the reserves for the Crown or public building within the town.

VIII. And, on full consideration of the prayer of Major Peter Drummond and his associates, recommended by Richard Duncan, John Munro and Justice Sherwood, Esq'rs, three of the members of the Land Board for Luneburg contained in Paper No. 4, for permission to build a saw-mill on a certain space of four superficial acres within the limits of the town, the Committee are of opinion that the prayer should be granted.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 3rd Nov'r, 1789.

His Lordship with the advice of the Board approved of the foregoing report of the Committee with a saving nevertheless to the Land Board of Lunenburg to be further heard thereon if they shall think it expedient to communicate any further information on any part of the said report. And with exception to that part thereof hereinafter directed to be disposed of, respecting the area for town parks.

Ordered by His Lordship with the advice of the Council, that the Land Board for the District of Luneburg issue Certificates of Occupation for town lots and town parks in the proposed town in Edwardsburg, as their discretion may direct, in conformity to the Additional Rules and Regulations of the 26th of August last, except in cases of competition and claims of prior right, which are to be reserved for the decision of the Governor-in-Council.

Ordered by His Lordship with the advice of the board, that the Land Board for the District of Luneburg cause a tract of five hundred acres to be assigned to Mr. Francis Verneil De Lorimier, and a like tract of five hundred acres to Mr. G. De Lorimier in satisfaction for their joint petition for lands elsewhere in such part of the Indian Tract in Edwardsburg, or such other part of the District of Luneburg as they may respectively point out, without interfering with any general rules and regulations.

Ordered by His Lordship with the advice of the board, that the Land Board for the District of Luneburg issue a Certificate of Occupation to Major Peter Drummond and Captains William Fraser, Thomas Fraser and Hugh Munro jointly for such a space of four acres in the proposed town in Edwardsburg, convenient for the erection of a mill, as the board shall think proper, without interfering with any general rules and regulations.

Ordered that a copy of the above be communicated to the Land Board for the District of Luneburg for their guidance.

His Lordship intimated to the Council that it remained a question, upon the late regulations for the disposition of the waste lands of the Crown, whether the Board constituted for that purpose were authorized to make locations to the sons of loyalists, on their coming to full age; and that it was his wish to put a mark of honour upon the families who had adhered to the unity of the Empire and joined the Royal Standard in America before the Treaty of Separation in the year 1783.

The Council concurring with His Lordship it is accordingly ordered that the several land boards take course for preserving a registry of the names of all persons falling under the description aforementioned, to the end that their posterity may be discriminated from future settlers, in the parish registers and rolls of the militia of their respective districts and other public remembrancers of the Province, as proper objects, by their persevering in the fidelity and conduct so honourable to their ancestors, for distinguished benefits and privileges.

And it is also ordered that the said land boards may, in every such case, provide not only for the sons of those loyalists, as they arrive to full age, but for their daughters also, of that age, or on their marriage, assigning to each a lot of two hundred acres more or less, provided nevertheless that they respectively comply with the general regulations, and that it shall satisfactorily appear that there has been no default in the due cultivation and improvement of the lands already assigned to the head of the family of which they are members.

Read a report of the Land Committee of the 7th of August last on a claim of Messrs. Curotte to Grand Isle, opposite to Cataracoui, with the opinion of the Attorney and Solicitor-General, and other papers annexed thereto.

Ordered that Messrs. Dunn, Mabane, Fraser, De Belestre, De Longueuil and De Boucherville be a committee for examining the said report and papers, and that they report their opinion respecting all questions both of law and fact arising thereon.

Thursday, 24th December, 1789.

Present: His Excellency The Right Honourable Lord Dorchester, The Hon'ble William Smith, Esquire, Chief Justice; Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Chas. De Lanaudiere, J. G. C. Delery, Le Comte Dupré, Esq'rs.

Read the journal and report of the Land Committee on a reference of the schedules of location made in the Districts of Luneburg and Mecklenburg, reported by the Surveyor-General's Office to His Lordship. Referred to a committee of the whole council.

Read the report of the Land Committee on a draft for pointing out a course of proceeding to the respective boards; and for the safe-keeping of the Land Office papers by the Clerk of the Council. Referred to a committee of the whole Council for a report thereon, with such alterations and additions as they may think advisable, and for adjusting the proper form for issuing the proposed order, as an addition to the Rules and Regulations for the Conduct of the Land Office Department.

Read the report of the Land Committee on a draft for directing the order of the Governor-in-Council of the 22nd October, 1788, to be executed by the respective boards. Referred to a committee of the whole Council for a report thereon, with such alterations and additions as they may think advisable. And they are directed to consider whether the proposed course may not be amended by instructing the boards eventually to ascertain and report the location of all tracts, to which they shall think claimants, under the aforementioned order entitled. At the same time that they report on the extent of the tracts, so that both may receive the final approbation or order of the Governor and Council, before the faith of Government is pledged to individuals. And the Committee are likewise to adjust the proper form for issuing the proposed order, as an addition to the Rules and Regulations for the conduct of the Land Office Department.

Read a report from the Land Committee on a letter from the Land Office Board for Mecklenburg dated the 23rd of September, 1789, accompanied with reports from that board, with the Deputy Surveyor's return of lands granted in that district between the 1st of October, 1788, and 23rd September, 1789. Referred to a committee of the whole Council.

Read a report of the Land Committee on a letter from Mr. Rankin, an Acting Surveyor, to Mr. Collins, Deputy Surveyor-General, with his answer concerning lands located on the south bank of the Ottawa River. Referred to a committee of the whole Council.

His Lordship informed the board that he had given directions for a monthly report of the persons employed in the Surveyor-General's Office at Quebec, and of the business in which they are engaged, marking the progress made therein from time to time. The report delivered in consequence thereof for the present month was, at the same time, communicated by His Lordship, and ordered to lie on the table for the information of the board.

At a Council holden at Quebec on Wednesday, the 20th of January, 1790.

Present: His Excellency Lord Dorchester, Governor; The Honourable William Smith, Esquire, Chief Justice, and The Honourable Hugh Finlay, Henry Caldwell, Edward Harrison, William Grant, John Collins, Charles De Lanaudiere, J. G. C. Delery, George Pownall and Le C'te Dupré, Esquires.

Whereas there were this day read at the board the following reports, viz.:

Journal and report of the Land Committee, on a reference of the schedules of location made in the Districts of Luneburg and Mecklenburg, reported by the Surveyor-General's Office to His Excellency Lord Dorchester: At a meeting on Friday, 11th Dec., 1789. Present: Mr. Finlay in the Chair, Messrs. Collins, Grant and De Lanaudiere.

The Chairman laid before them a letter from Mr. Secretary Motz of the 9th instant, addressed to Mr. Finlay as President of this Committee, and in obedience to His Excellency Lord Dorchester's commands therein signified they proceeded to consider:

I. How far the schedules referred to their examination are conformable to the Rules and Regulations laid down for the Conduct of the Land Office Department on the 17th of February last.

II. How far they are adequate to the objects therein proposed.

III. What further course is necessary to render the schedules adequate to the end proposed by the said rules and regulations.

IV. What communications ought to be made to the boards on transmitting the schedules to them for the greater accuracy of the proceedings to be founded upon them.

V. To enquire of the Surveyor-General's Office what the views were there, touching the nature, utility and effect of the schedules.

VI. Whether the acting surveyors of the respective districts are furnished with copies of surveys of their districts; and lastly, to examine the particular surveys of the different townships, compare them with the schedules and report thereon.

The Committee took up the schedules of the locations made in the Township of Lancaster, in the District of Luneburg, which they found framed with all the columns directed by the XV Article of the Rules and Regulations of the 17th of February last, viz't: a column for the names of the petitioners, a column for the quantum of location, another for the place where the location is situated, together with a column for the dates of the certificates granted, which last column is uniformly blank throughout the whole schedule; and so it is likewise in all the other schedules referred to this committee, And having made enquiry of the Surveyor-General's Office why that column has not been filled up, Mr. Collins (the Deputy Surveyor-General) made answer that when he received directions to issue certificates of location in the new districts above Montreal by Order of Government, from the year 1784 to the year 1787 inclusive, it had not been required of him to make any entry or memorandum of the dates of the certificates issued for locations, and he added that if it shall now be considered that the dates of the certificates formerly granted should appear on the schedules, in order to give greater security to the persons who hold them as pledges of the faith of government for grants hereafter to be made out in due form, he conceives that without much difficulty they may be obtained through the justices of the respective districts at their next meeting in General Quarter Sessions of the Peace, by giving previous notice that they are wanted. Or they may be procured by the Land Office Boards on advertisement for that purpose; and when procured, entered on the schedules in their keeping; and copies of the said dates may be ordered down from the boards to be entered on the schedules remaining in the Surveyor-General's Office at Quebec.

Finding in the schedules referred, three columns not required by the rules aforementioned, the first under the head, wife; the second headed males, and the third, females, the Committee questioned the Deputy Surveyor G. thereupon, who informed them that they had been inserted by a mistake of the clerk who had ruled the forms.

The Committee next considered how far the schedules are adequate to the objects proposed in the rules and regulations, and they are humbly of opinion that they may serve as a register of the names of those persons who have obtained locations in the new districts, who rely on the faith of government for a confirmation of the lands they actually possess under certificate, by grants under the Great Seal of the Province; those schedules will likewise show the number of acres each occupant is entitled to hold, they will point out the district and township where situated; and ascertain the concession or range of lots in which the lands lie, so precisely as that a patent under the Great Seal, or otherwise as Government shall think proper, may issue thereupon.

It does not appear to the Committee that any further course is necessary to render those schedules adequate to the end proposed, notwithstanding the column for the dates of the certificates of location is blank. They may nevertheless be improved in form, so as to render it easier for the Land Boards to discover the unlocated lots in the township of their respective districts; and for that purpose the Committee submit humbly the model of a schedule hereunto annexed and marked A, together with an index to that schedule, marked B.

No further communications occur to the Committee, needful to be made to the respective Land Boards, on transmitting the schedules for the greater accuracy of the proceedings to be founded thereon but it may be expedient to remind them that the locations made in their districts from time to time are to be entered on the schedules, and as is directed by the V, VI and VII articles of the rules and regulations for their conduct, they are to transmit to the office of the Governor's Secretary, and to one another, lists of the certificates granted by them, to prevent any person from obtaining by applications in different districts more land than he is entitled to.

The Committee humbly suggest that if surveys of such townships as the Land Office Boards were not possessed of, were to accompany the schedules, they might be very useful in enabling the boards to discriminate, on simple inspection, the vacant lands of the Crown from those already located.

The Deputy Surveyor-General in answer to the question, What were the views of the Surveyor-General's Office touching the nature, utility and effect of the schedules reported by that office, said he presumes the intentions of government in ordering the Surveyor-General's Office to form schedules of all lots under certificates, was that those schedules should shew at one view the quantity of land each proprietor had received; and, as to their utility and effect, he conceives they were intended to serve as a record in the Surveyor-General's Office, and give greater security to the proprietor for the location assigned him.

And, on asking further, whether the acting surveyors of the respective districts are furnished with copies of the surveys of their districts he answered, That Mr. Chewet, Surveyor of the District of Luneburg, has been furnished with all the surveys made in that district that have been returned into the Surveyor-General's Office; and the surveys of all townships in Mecklenburg were sent to the Land Board for that district, excepting the plans of certain townships kept back by the Surveyor-General's Office for reasons assigned by the Deputy Surveyor-General, and reported by the Land Committee to His Excellency Lord Dorchester on the 26th of last Nov'r, but he informed the Committee that the

surveys so kept back are now in readiness to be transmitted, and they will accompany the schedules of location which are to be sent to the Land Board for their more ample information.

The Committee then directed the Deputy Surveyor-General's Office to lay before them the particular surveys of the different townships, that they might examine how far they correspond with the schedules referred, and on their being produced the Committee took up the plan of the first township, named Lancaster, in the District of Luneburg, and proceeded to compare it with the schedule of locations made therein, and on inspection they found that the plan does not correspond with the schedule in the following particulars, viz't:

Entries in the Schedule	Entries on the Survey
Lt. Wm. Sutherland.	Lt. Sutherland.
Thomas Graham, ¾ of lot No. 12 in 4th Concession.	Thomas Graham and James Young.
Jo. Cameron, ½ of No. 30 in 4th Concess'n.	John Cameron, No. 30 in the 4th Concess'n, 300 acres.
	N.B.—No lot contains more than 200 acres.
Wm. Noble, ¼ of No. 32 in 4th Concess'n.	Wm. Noble, ¾ of 32 in 4th Concession.
John McDougal, ¾ of No. 33 in the 4th Concession.	John McDougal, ½ of No. 33 in 4th Concess'n.
Ralph Falconer, Jun'r, No. 25 in 3d Con'n.	Ralph Falconer, No. 35 in 3d Concess'n.
	N.B.—There's Sen'r. and J'r. but this is without distinction.
James Young:	James Young:
½ of 26 in 3d Con.	No. 26 in 4th Con., 300 acres.
26 in 4th Con.	
½ of 12 in 4th Con.	Nothing of No. 12 in 4th Con.
Moses Williams:	Moses Williams:
½ of No. 7 in 2d Con.	No. 7 in 2nd Concession.
No. 7 in 3d Con.	7 in 3d Concession.
	½ of 8 in 3d Ditto
Edward Tonson, ½ of 32, 2nd Con.	Ed. Tonson, No. 32, 2d Con.
Alex'r Grant, ¼ of No. 33, 4th Con.	Alex'r Grant, ½ of 33, 4th Con.
Sambro, a negro, ½ of 30, 3d Con.	Sambro, No. 30, 3d Con.
Luke Bowman, ¼ of 28, 3d Con.	Luke Bowman, ½ of 28, 3d Con.
John Castles, ½ No. 26 in 3d Con.	John Castles, No. 26, 3d Con.
Widow Curroy, ¾ of No. 8, 3d Con.	Wid'o Currey, ½ of No. 8, 3d Con.
Finlay McDonel, No. 8, 6th Con.	Blank.
Angus McDougald, No. 17 in 7th Con.	Angus McDonell, No. 17 in 7th Con.

The Committee further observed on comparing the survey with the schedule that some of the names in the schedule are differently spelled from those marked on the corresponding lots on the survey.

Examples

Schedule	Survey
Lot No. 8, 3d Con., Wid. Currey.	Lot No. 8, 3d Con., Wid. Carey.
20, 5th Con., Jo. Canada.	Lot 20, 5th Con., Jo. Kannady.
24, 1st Con., Wm. Bland.	Lot 24, 1st Con., Wm. Blond.

The Committee are of opinion that these inaccuracies may lead to perplexities; and, as at the Surveyor-General's Office alone it can be determined whether the mistakes found lie in the schedule or in the survey, the necessary corrections will be made in that office. The Committee therefore humbly recommend that both may be sent back to the Surveyor-General's Office, there to be examined and returned without error into the office of the Governor's Secretary as is directed by the XV Article of the Rules and Regulations of the 17th of February last.

All which is nevertheless humbly submitted to Your Lordship's great wisdom.

Hugh Finlay, in the Chair.

Council Chamber, Bishop's Palace,
Quebec, 18th Dec., 1789.

A

SCHEDULE

TOWNSHIP OF LANCASTER, DISTRICT OF LUNEBURG

The Lots contain 200 Acres

Lots	First Concession Names of Grantees	Date of Location	Quantity Granted in Acres	Reference to the Index
1, 2, 3	Heirs of C. Morison		600	M
4	Lt. David McFall		200	Mc
5	Peter McIntosh		200	Mc
6	Joseph Sutherland		200	S
7	Alexander Sutherland		200	S
½ of 8	Thomas Sutherland		100	S
½ of 8	Alexander Sutherland		100	S
9, 10	Lt. Walter Sutherland		400	S
½ of 11	Anna Sutherland		100	S
½ of 11	Mary Sutherland		100	S
12	George Sutherland		200	S
13	Widow Campbell		200	C
14	Lt. Walter Sutherland		200	S
½ of 15	James Morrison		100	M
½ of 15	Mary Morrison		100	M
16	Thomas Busby		200	B
17, 18	Nathaniel Hyler		400	H
19	John Grant		200	G
20	John Dunn		200	D
21	James Hair		200	H
22	Thomas Graham		200	G
23	Lt. Walter Sutherland		200	S
24	William Bland		200	B
25	Alexander Cameron		200	C
26	Donald Ross		200	R
½ of 27	William Grant		100	G
½ of 27	Alexander Grant		100	G
28	Thomas Taylor Ross		200	R
29	Thomas Ben Ross		200	R
½ of 30	John Cameron		100	C
½ of 30	Jane Dixon		100	D

By this schedule of locations in the First Concession or range of lots, it appears that the whole are granted.

TOWNSHIP OF LANCASTER

SECOND CONCESSION

Lots	Names of Grantees	Dates of Location	Quantum Granted in Acres	Reference to the Index
1				
2				
3				
4	Lt. David McFall		200	Mc
5	Edward Tonson, ½		100	T
6	Richard McBean		200	Mc
7	½, Moses Williams, ½		100	W
8	½, John Carey, ½		100	C
½ of 9	Lt. Walter Sutherland		100	S
½ of 9	John Curry		100	C
10	Cato Prince		200	P
11	Ben Baker		200	B

TOWNSHIP OF LANCASTER—SECOND CONCESSION—*Continued*

Lots	Names of Grantees	Dates of Location	Quantum Granted in Acres	Reference to the Index
12	John McDowell		200	Mc
13	John Lemon		200	L
14	James Fonda		200	F
½ of 15	Widow Blakely		100	B
½ of 15	John Flynn		100	F
16	Jack Powell		200	P
17	Richard Fountain		200	F
18	John Scarrot		200	S
19	John Grant		200	G
20	John Dunn		200	D
21	James Hair		200	H
22, 23	Jacob Snyder		400	S
24	Lieut. Walter Sutherland		200	S
25	Alexander Cameron		200	C
26	James Young		200	Y
½ of 27	William Grant		100	G
½ of 27	Alex'r Grant		100	G
28	Thos. Taylor Ross		200	R

By this schedule of the locations in the Second Concession or range of lots' it appears that some lots remain to be granted, viz't: Nos. 1, 2, 3, one-half of No. 7 and one-half of No. 8.

TOWNSHIP OF LANCASTER

THIRD CONCESSION

Lots	Names of Grantees	Dates of Location	Quantum Granted in Acres	Reference to the Index
1				
2				
3				
4				
5	Richard Fountain		200	F
6	Joseph Sutherland		200	S
7	Moses Williams		200	W
8	Moses Williams, ¼		50	W
	Widow Curry, ¾		150	C
9	Lt. Walter Sutherland, ½		100	S
	John Curry, ½		100	C
10				
11	Ben Baker		200	B
12				
13	John Lemon, ¾		150	L
14	Thomas Fonda, ½		100	F
15	Widow Blakely, ½		100	B
	John Flynn, ½		100	F
16				
17				
18				
19	John Grant		200	G
20, 21	Augustus Sealey		400	S
22	Thomas Graham		200	G
23	Jacob Snyder		200	S

TOWNSHIP OF LANCASTER—THIRD CONCESSION—*Continued*

Lots	Names of Grantees	Dates of Location	Quantum Granted in Acres	Reference to the Index
24	Jeremiah Snyder		200	S
25	Augustus Sealey		200	S
26	James Young, ½ John Castles, ½		100 100	Y C
27	Londonderry		200	L
28	John Wright, ½ Luke Bowman, ¼		100 50	W B
29	Mary Edge		200	E
30	John Cameron, ½ Sambro, ½		100 100	C S

It appears by this schedule of locations in the Third Concession or range of lots, that Nos. 1, 2, 3, 4, 10, 12, 16, 17, 18, a quarter of Lot No. 13, ½ of 14, and ¼ of 28 remain vacant.

INDEX TO THE SCHEDULE OF LOCATIONS IN LANCASTER

Names of Grantees	Concessions First	Concessions Second	Concessions Third	Acres Granted
A	Lot	Lot	Lot	
B	Lot	Lot	Lot	
Busby Thomas	16	.....	.....	200
Bland William	21	.....	.....	200
Baker, Ben	.....	11	11	400
Blakely, Widow	.....	½ 15	½ 15	200
Bowman, Luke	.....	.....	¼ 28	50
C	I Lot	II Lot	III Lot	Acres
Campbell, Widow	13	.....	.....	200
Cameron, Alex'r	25	25	.....	400
Cameron, John	½ 30	.....	½ 30	200
Carey, John	.....	½ 8	.....	100
Currey, John	.....	½ 9	½ 9	200
Currey, Widow	.....	.....	¾ 8	150
Castles, John	.....	.....	½ 26	100
D	I Lot	II Lot	III Lot	Acres
Dunn, John	20	20	.....	400
Dixon, Jane	½ 30	.....	.....	100
E	I Lot	II Lot	III Lot	Acres
Edge, Mary	.....	.....	29	200
F	I Lot	II Lot	III Lot	Acres
Fonda, James	.....	14	.....	200
Flynn, John	.....	½ 15	½ 15	200
Fountain, Richard	.....	17	5	400
G				
Grant, Jo.	19	19	19	600
Graham, Thos.	22	.....	22	400
Grant, Wm.	½ 27	½ 27	.....	200
Grant, Alex'r	½ 27	½ 27	.....	200
H				
Hyler, Nathaniel	17 18	.....	.....	400
Hair, James	21	21	.....	400
I	I Lot	II Lot	III Lot	Acres
K	I	II	III	Acres

INDEX OF LOCATIONS IN LANCASTER—*Continued*

Names of Grantees	Concessions First	Concessions Second	Concessions Third	Acres Granted
L	**I**	**II**	**III**	**Acres**
Lemon, John	.....	13	¾ 13	350
Londonderry	.....	.....	27	200
N	**Lot**	**Lot**	**Lot**	
P	**I Lot**	**II Lot**	**III Lot**	**Acres**
Prince, Cato	.....	10	.....	200
Powell, Jack	.....	16	.....	200
R	**I Lot**	**II Lot**	**III Lot**	**Acres**
Ross, Donald	26	.....	.....	200
Ross, Thomas Taylor	28	28	.....	400
Ross, Thomas Ben	29	.....	.....	200
T	**Lot**	**Lot**	**Lot**	
W	**I Lot**	**II Lot**	**III Lot**	**Acres**
Williams, Moses	.....	½ 7	7	350
			¼ 8	
Wright, John	.....	.....	½ 28	100
Y	**I Lot**	**II Lot**	**III Lot**	**Acres**
Young, James	.....	26	½ 26	300

Names of Grantees	Concessions First	Concessions Second	Concessions Third	Acres Granted
M	**I Lot**	**II Lot**	**III Lot**	**Acres**
Morrison, C., heir of	1, 2, 3	.....	.....	600
McFall, Lt. David	4	4	.....	400
McIntosh, Peter	5	.....	.....	200
Morrison, James	½ 15	.....	.....	100
Morrison, Mary	½ 15	.....	.....	100
McBean, Richard	.....	6	.....	200
McDowel, John	.....	12	.....	200
O	**Lot**	**Lot**	**Lot**	
Q	**I Lot**	**II Lot**	**III Lot**	**Acres**
S	**I Lot**	**II Lot**	**III Lot**	**Acres**
Sutherland, Joseph	6	.....	6	400
Sutherland Alexander	7 and ½	8	.....	300
Sutherland Thomas	½ of	8	.....	100
Sutherland, Lt. Walter	9.10	½ 9		
	14.23	24	½ 9	1,200
Sutherland, Anna	½ 12	.....	.....	100
Sutherland, Mary	½ 11	.....	.....	100
Sutherland, George	12	.....	.....	200
Scarrot, John	.....	18	.....	200
Snyder, Jacob	.....	22.23	23	600
Sealey, Augustus	.....	.....	20.21	600
			25	
Snyder, Jeremiah	.....	.....	24	200
Sambro	.....	.....	½ 30	100
V	**Lot**	**Lot**	**Lot**	
X	**I Lot**	**II Lot**	**III Lot**	**Acres**
Z	**Lot**	**Lot**	**Lot**	

To His Excellency The Right Honourable Guy, Lord Dorchester, etc., — Report of the Committee of the whole Council respecting the schedules of locations in Luneburg and Mecklenburg.

May it please Your Lordship: The Committee being assembled this day in obedience to Your Lordship's Order-in-Council of the 24th of December last, proceeded to the consideration of the subject of the reference in the manner stated in their journal, a copy whereof is hereunto annexed.

All which is nevertheless humbly submitted to Your Lordship's great wisdom.

Wm. Smith, Chairman.

Quebec, Bishop's Palace,
Council Chamber, 12th Jan'y, 1790.

Journal of a Committee of the whole Council on the reference of 24th December last, of the journal and report of the Land Committee, respecting the schedules from the Surveyor-General's Office of locations in the Districts of Luneburg and Mecklenburg.

At a meeting Tuesday, 12th January, 1790. Present: The Chief Justice, Messrs. Finlay, Caldwell, Harrison, Grant, Collins, Baby, Delery, Dupré, Pownall.

Read a letter from His Lordship by Mr. Secretary Motz, with its inclosures, in these words:

Quebec, 9th Jan'y, 1790.

Sir: The 42nd Article of the Royal Instructions of the 23d of August, 1786, requiring that all persons, applying for lands, shall take the oaths directed by law and subscribe the declaration mentioned in the said article, I have it in command to signify Lord Dorchester's desire, that the Committee of the whole Council, to whom was referred the report of the Land Committee on the schedules of locations, exhibited by the Surveyor-General's Office, cause enquiry to be made, whether the proper records be extant of all or any of the persons therein mentioned having taken and subscribed the said oaths and declaration, and that they report to His Lordship whether it may not be advisable on transmitting the said schedules to the respective boards, to direct them to take course for compleating the record of the signatures of all land-holders in the respective districts, if it shall be found defective, that nothing may be neglected to clear the way for the loyalists being put into possession of legal titles for their lands, agreeable to His Majesty's expected instructions, as soon as they shall arrive.

His Lordship also commands me to transmit to you divers extracts from public letters, as connected with the general subject of your deliberations upon the present reference; and to signify his desire, that the Committee make it a part of their report, in what way their contents may best subserve the end of giving comfort and tranquillity to the loyalists, and encouraging and strengthening the western settlements and frontiers. I am, Sir, Your most obed. humble Servant, Henry Motz.

To The Hon'ble Wm. Smith, Esq'r., President
of The Honourable His Majesty's Council for
the Province of Quebec.

Extract of a letter from the Right Honourable Lord North, one of His Majesty's principal Secretaries of State, to His Excellency Governor Haldimand, dated Whitehall, 20th July, 1783.

And as a part of that instruction directs that all persons whatever, upon their application for lands, besides taking the usual oaths as directed by law shall make and subscribe a declaration, acknowledging His Majesty in Parliament to be the supreme legislature of the Province, I think it necessary to observe to you that the declaration, however general, cannot extend to taxation; Parliament having by the Act of the 18th of his present Majesty, intitled "An Act for removing all doubts and apprehensions concerning taxations by the Parliament of Great Britain, in the Colonies, Provinces and Plantations in North America, and the West Indies, &c.," in the most express terms restrained itself from ever imposing any taxes or duties, in the Colonies, except for the regulation of trade; the produce of which taxes or duties to be disposed of by the Provincial assemblies. Such being the case, it was judged not only unnecessary but implying some doubt of the sincerity of Parliament, to make any exception in the declaration; the exception being already made by Parliament itself, in a manner so solemn and effectual, that nothing can add to the security, the subjects in the Colonies derive under it. These observations you will naturally make a proper use of, should any objection be made to the declaration or the construction of it; and I doubt not but the necessity of guarding against disaffected persons becoming settlers in Quebec, will convince His Majesty's loyal subjects of the propriety of that test, by which they cannot be affected or deprived of any indulgence or encouragement, to which they are so justly entitled. A true extract. F.H. A true copy. Henry Motz.

Extract of a letter from The Right Hon'ble Lord Sydney, one of His Majesty's principal Secretaries of State, to The Right Honourable Lord Dorchester, dated Whitehall, 3d Sept'r, 1788:

Your Lordship will, however, understand that it is the King's intention that the new settlers in that part of the Province*: who now hold their lands upon certificates of occupation, shall at all events be placed upon the same footing, in all respects, as their brethren in Nova Scotia and New Brunswick, by having their lands granted to them in free and common soccage, with a remission of quitrents for the first ten years. A true extract. Henry Motz.

Read the journal and report of the Land Committee. Read also the order of reference of the 24th Dec'r, 1789. Read the journal and report of the Land Committee on a reference of the schedules of location made in the Districts of Luneburg and Mecklenburg reported by the Surveyor-General's Office, to His Lordship.

Referred to a Committee of the whole Council. J. Williams.

Mr. Collins, Deputy Surveyor-General, submits to the Committee the manner in which he is forming the schedules and plans for the Land Boards of Luneburg and Mecklenburg. Agreed: that the Committee are not aware of any substantial objection to his mode at present and that they may be transmitted in that form. If any amendments shall be suggested by the Land Boards for the further security of the loyalists, due consideration may be had of them for such further course as government may approve.

Mr. Collins adds that the copies of the said schedules and plans will be ready to go from the office of His Lordship's Secretary, to be transmitted accordingly by the 21st instant.

On the communication from His Lordship in the letter to the chairman, the Committee put several questions to the Deputy Surveyor-General who reported:

*Meaning the Districts west of Pointe au Paudet. H. M.

That he believes all persons holding under occupation certificates issued prior to Nov'r, 1787, did subscribe the declaration, as well as take the oaths, by His Majesty's instructions required. But as to what has been done since that period, under the conduct of the Land Boards and his country agents and deputies, he can give the Committee no certain information; but he supposes it may be obtained by the aid of those boards. Resolved thereon to be the opinion of the Committee:

First: That the several Land Boards be desired to make the proper enquiries, and to take course for exacting a compliance with the Royal Instructions, from all persons holding or to hold in future under occupation certificates and that they return a list into the office of the Clerk of the Council of such as have neglected or shall refuse such compliance; that the grants of title may be suspended, as to such as shall wilfully make default.

Second: To the intent of informing the settlers of the benevolent design and true use of the Royal Requisitions, as well as to convince them of the solidity of the plighted faith of Government and the manner of preserving the evidence of it, it is expedient that there be transmitted to each of the Land Boards (to be better known in their districts) a copy not only of the report of the Land Committee, but of the present report thereon.

Wm. Smith, Chairman.

12th Jan'y, 1790.

His Lordship taking the said reports into consideration was pleased, with the advice of the Council, to approve of the resolves of the Committee of the whole Council therein contained and to order, as it is hereby ordered, that the same be duly and punctually complied with and carried into execution; whereof the different Land Office Boards, and all other persons whom it may concern, are to take notice and govern themselves accordingly.

The Clerk of the Council to cause five hundred copies of the above to be printed and to transmit such number to each of the different Land Office Boards, under his signature, as His Excellency the Governor shall be pleased to direct.

Whereas there was this day read at the board the following draft of regulations recommended by a Committee of the whole Council in their report dated the 12th instant, on a report of the Land Committee dated the 4th of December, 1789, viz't:

Second Addition to the Rules and Regulations for the Conduct of the Land Office Department:

Whereas the establishment of a uniform, clear and expeditious course of proceeding in the land-granting department, the late measures for settling the waste lands of the Crown considered, is important to the interests of the Crown, as well as the subject, particularly as the means of preventing uneasinesses that may arise on a question of so delicate a nature as the extent of the promised faith of government on the one hand and the security of the settler or occupant claiming lands on the other; it is therefore ordered:

1. That the several boards which are, or hereafter may be, constituted by the Governor for the disposal of the waste lands of the Crown in any part of the Province, keep a regular journal of their transactions, prefixing to every day's entries the date and the names of the members present.

2. That the minute upon every petition express the name and prayer of the petitioner and shew the nature of the proof exhibited in support of his pretensions and the determination thereon.

3. That all orders or instructions given to the boards be entered at large on their minutes for preserving a complete record both of their authorities and proceedings.

4. That a full and fair copy of such journals be transmitted every three months or oftener as the case may require, to the office of the Governor's Secretary, under the signature of three or more members of the board, together with all the petitions therein reported upon, whether granted, rejected or recommended.

5. That the copies of the said journal or minutes be accompanied or followed by regular returns of the locations made from time to time by the acting surveyors of the respective districts, under the authority of the boards, expressing the name of the grantee, the number of acres located, the number of the lots, the name of the township and the date of the certificate or authority of the board, under which the location was made.

VI. That all reports, journals, writings and papers, of any kind whatever, touching the business of the land office department and coming to the Council Office as the proper deposit, be kept by the Clerk of the Council, separate from all the other books, writings and papers in his office, and that they be so disposed of as to make a resort to them at all times as easy and satisfactory as possible. And that whenever the mass of the Land Office papers shall be so greatly increased as to embarrass the daily ordinary researches, they be put up into boxes of convenient sizes, numbered, and that there be a book kept for an alphabetical index, shewing in the readiest manner the contents of each box, and that every paper be marked with the number of the box, to the end, that it may be restored to its proper place and confusion be thereby avoided; and it is committed to the Land Committee, for the time being, to superintend the execution of the latter part of this order and to report what may be done thereon for directing such further course, as the case may require.

And it is also ordered, that the said book or index be always open to public access in the Council Office, and a copy ready for the call of any Committee of the Council, and especially of the Land Committee, together with such additions as may be thereunto made by the increase of the number of the boxes.

His Lordship, taking the said Regulations into consideration was pleased, with the advice of the Council, to approve the same, and to order, as it is hereby ordered, that they be duly and punctually complied with and carried into execution; whereof the different Land Office Boards and all the other persons whom it may concern are to take notice and govern themselves accordingly.

The Clerk of the Council to cause five hundred copies of the above to be printed and to transmit such number to each of the different Land Office Boards, under his signature, as His Excellency the Governor shall be pleased to direct.

The reports aforementioned are in the words following, viz't:

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.

The report of the Committee of Council appointed to examine claims for grants of the waste lands of the Crown, on Your Lordship's reference of a draft containing regulations to be observed in the Land Office Department.

Friday, 27th November, 1789.

Present: Mr. Finlay in the Chair, Messrs. Collins, Grant and De Lanaudiere.

The chairman read a letter from Mr. Secretary Motz dated the 24th of this month, addressed to Mr. Finlay:

Quebec, 24th Nov'r, 1789.

Sir: That nothing may be neglected in the department of the Land Office to preserve incontestible remembrances of its transactions and to put them in the best state of preservation and to prevent confusion in the access to them, I am commanded by Lord Dorchester to desire that the Land Committee will deliberate upon the inclosed draft which will fully explain to them what His Lordship conceives to be necessary for these purposes and that they will propose to him such additions or alterations as their daily experience in this department may suggest, in a separate report, with all convenient speed.

The chairman then took up the draft mentioned in the letter and read as follows:

His Lordship adverted to the late measures for settling the waste lands of the Crown and the importance of preventing uneasinesses that may arise on a question of so delicate a nature as the extent of the promised faith of government on the one hand and the security of the settler or occupant claiming lands on the other hand, as well as to the advantages resulting both to Government and to the subject, from a uniform, clear and expeditious course of proceeding. [Here follows provisions I-VI, found on pp. 79-80.]

The Committee having maturely considered every article in the draft separately, in obedience to Your Lordship's commands, most humbly report:

That if the rules for transacting the business of the Land Office pointed out in the draft shall be pointedly followed up, all papers transmitted by them to the Council Office will be safely kept in the best state, incontestible remembrances of the transactions of the Land Boards will be preserved, and easy access will be had to them, so that the settlers or occupants claiming lands under the faith of government will be secured and great advantages will result to all concerned from the uniform, clear and expeditious course of proceeding therein laid down.

Nothing appears to the Committee necessary to be added to the draft but, if in the course of their daily experience in this department something shall occur that may seem to them advisable to be adopted, they will as commanded by Your Excellency report thereon.

HUGH FINLAY, in the Chair.

Council Chamber, Bishop's Palace,
Quebec, 4th Dec'r, 1789.

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.,— Report of a Committee of the whole Council on a report of the Land Committee, respecting the proceedings by the Land Boards; and for the safe-keeping of the Land Office papers.

May it please Your Lordship:

The Committee of the whole Council being assembled in obedience to Your Lordship's Order in Council of the 24th of Dec'r came to divers resolves, as expressive of their opinion on the subject matter of the reference, stated in their journal, a copy whereof is hereunto annexed.

All of which is nevertheless humbly submitted to Your Lordship's great wisdom.

WM. SMITH, Chairman.

Quebec, Jan'ry, 1790.

Journal of a Committee of the whole Council on the reference of 24th Dec'r last of the report of the Land Committee pointing a course of proceedings to the respective Land Boards, and for the safe-keeping of the Land Office papers.

At a meeting Tuesday, 12th Jan'ry, 1790. Present: The Chief Justice, Messrs. Finlay, Delery, Grant, Harrison, Pownall, Baby, Collins, Caldwell, Dupré,

Read the journal referred. Read also the order of reference. (24th Dec'r, 1789.)

Read the report of the Land Committee on a draft for pointing out a course of proceeding to the respective boards, and for the safe-keeping of the Land Office papers by the Clerk of the Council.

Referred to a Committee of the whole Council for a report thereon, with such alterations and additions as they may think advisable and for adjusting the proper form for issuing the proposed order, as an addition to the Rules and Regulations for the Conduct of the Land Office Department. J. Williams.

Resolved that this Committee concur with the Land Committee in their report.

Resolved further, that it is the opinion of this Committee that the fittest members of the Board of Council for carrying the last article of the additional regulations proposed into due execution will be those gentlemen who may happen to be members of the Land Committee for the time being.

Wm. Smith, Chairman.

12th Jan'y, 1790.

Whereas there was this day read at the board the following draft of regulations, recommended by a Committee of the whole Council, in their report of the 12th instant, on a report of the Land Committee of the 4th of December, 1789, viz.:

Third addition to the Rules and Regulations for the Conduct of the Land Office Department.

Whereas it is expedient on account of the remoteness of the new districts and the variety of other duties, which require the attention of the Surveyor-General's Office at Quebec, to relieve that office from the burden of executing the order of the Governor-in-Council of the 22nd October, 1788, for putting certain reduced officers upon an equal footing with those of the late 84th Regiment, and to render that labour more easy, by dividing it among the Land Office Boards in the several districts, where on account of the residence of the persons concerned, their pretensions may be investigated with accuracy and dispatch, provided a proper course be prescribed to the boards for enabling them, with due certainty, to discriminate the proper objects of the intended bounty of the government.

It is therefore ordered:

1. That all proceedings by the Surveyor-General's Office for executing the aforementioned order of the Governor-in-Council of the 22nd October, 1788, be discontinued, that the period for admitting claims under that order be extended to the first day of May in the year one thousand seven hundred and ninety-one and that all applications for lands, in consequence thereof, be made to the respective boards, which are, or hereafter may be, appointed by the Governor in any part of the Province, in the usual form of petitions to the Governor-in-Council.

2. That upon the receipt of all such applications the boards investigate the grounds of the pretensions of the petitioners, requiring for that purpose satisfactory proof, by documents, affidavits, or otherwise, carried as high as the nature of the case may admit, to the following points, viz.:

(*a*) Whether the petitioner as a reduced officer was entitled to and has received any lands under the King's Instructions of 1783.

(*b*) Whether, and how far, he has improved the same, so as to render him a proper object of the order:

(*c*) What quantity of lands he has already received, whether on account of his rank or his family or by the additional bounty of 1787, or in any other way whatever, and what further quantity he is entited to, after deducting the tracts already granted to him, under all or any of the foregoing descriptions, in order to receive, upon the whole, an equal number of acres, with officers of the same rank of the late 84th Regiment.

3. These, and all other points requisite being ascertained, the Boards are to locate the number of acres, to which they shall think the petitioner entitled, as nearly as may be, according to the prayer of his petition, conforming themselves nevertheless to the directions contained in the 8th, 9th, 10th, 11th and 13th articles of the Rules and Regulations of the 17th of Feb'ry, and the 2nd, 3rd and all the following articles of the additional Rules and Regulations of the 25th of August last, all of which as far as they regard the Surveyor-General's Office, shall be executed by the acting surveyors of the respective districts under the superintendance and orders of the boards.

4. That as often as any competitions arise by a diversity of applications, or otherwise, for one and the same tract, the boards shall endeavour amicably to adjust the same among the parties interested and, on failure thereof, they shall hear the different competitors, in support of their claims and decide between them, with due impartiality, according to the merits of the case, and where there is no equitable ground of preference to either, the issue shall be determined by lot.

5. That the boards make full and distinct reports upon all the foregoing particulars, annexing copies of the proofs exhibited to them as often as their nature may permit, declaring themselves satisfied therewith, and concluding with a recommendation of the petitioner for a grant of the specific number of acres located by them, to which, under all or any of the considerations aforementioned, and which of them in particular, they shall think him justly entitled.

6. That all such reports be made by the respective boards, at the end of every three months, or oftener to the office of the Governor's Secretary, by the transmission of a fair copy of the minutes of their proceedings, during that period, under the signature of three or more members of the board, together with the petitions reported upon, whether rejected or recommended, subject to the final approbation, disallowance, or order of the Governor-in-Council upon every such case, after the receipt of which approbation or order, the boards are hereby authorized to pledge the faith of government to the respective petitioners for the grants of the tracts therein to be specified, by issuing certificates of occupation to them, under their signature, agreeable to such form as the Governor shall be pleased to direct.

7. The boards are to take due care that a sufficient space of country be always previously laid out for comprehending all locations, which, in their judgment, may probably be ordered, from time to time, under these or any other orders or instructions, in townships contiguous to each other and according to the general rules and regulations in such parts of the respective districts as contain vacant lands of the Crown, the settlement of which shall have been approved of upon their timely representations to the Governor, to whom they are likewise to state all doubts and difficulties which may occur, with their opinion of the proper course for removing them, that there may be no obstruction to the industry, ease and comfort of the loyalists.

His Lordship, taking the said regulations into consideration, was pleased, with the advice of the Council, to approve the same and to order, as it is hereby

ordered, that they be duly and punctually complied with and carried into execution; whereof the different Land Office Boards and all other persons whom it may concern are to take notice, and govern themselves accordingly.

The Clerk of the Council to cause five hundred copies of the above to be printed and to transmit such number to each of the different Land Office Boards, under his signature, as His Excellency the Governor shall be pleased to direct.

Whereas there were this day read at the board the following reports:

To His Excellency the Right Honourable Guy, Lord Dorchester, etc.

Report of the Land Committee (Mr. Finlay, Mr. Collins, Mr. Grant and Mr. De Lanaudiere) on the reference of a letter from Mr. Rankin, an acting surveyor, to Mr. Collins, Deputy Surveyor-General, with his answer concerning lands located on the south bank of the Ottawa River.

May it please Your Lordship:

Mr. Motz, in his letter of the 3d of this month, communicated to us Your Excellency's pleasure relative to a letter from Mr. Rankin to Mr. Collins, together with his answer (both annexed) respecting certain locations stated to have been made by Mr. Rankin on the Ottawa River, in conformity to certificates of the Land Board at Montreal, which locations, as Mr. Collins sets forth, comprehended tracts intended to have been assigned by him as Deputy Surveyor-General to other persons entitled to lands in that part of the country, by special orders of the Governor-in-Council; and directing us further to report to Your Lordship the proper course for preventing the confusion apprehended by Mr. Deputy Surveyor-General and for gratifying the reasonable expectations of individuals that may have been excited by the proceedings of the Deputy Surveyor-General, or Acting Surveyor on considering them as manifestations of the intentions of government in their behalf and also to report on the means of preventing the like embarrassments in future.

In obedience to Your Excellency's commands we have considered the letters referred to us and we have heard Mr. Collins on the matter therein contained, and after deliberation had thereon, we beg leave humbly to report that if the Acting Surveyor had attended to the instructions of the 4th June last, issued to him from the Surveyor-General's Office (and approved by Your Lordship) by returning into that office (as was commanded him) a protraction of his work as soon as it should be finished, the tracts assigned in that part of the country, by Your Excellency's special Orders-in-Council, would have been set off on the plan previous to its transmission for the guidance of the Land Office Board, and all parties would have been satisfied. It does not, however, appear to us that confusion will arise from Mr. Rankin's having located the lands on the south side of the Ottawa River, but we apprehend that those persons who petitioned in Quebec and obtained Your Lordship's Orders-in-Council for grants of lands to be made to them on the south side of the Ottawa will probably be dissatisfied on finding that certificates granted by the Land Office Board at Montreal near twelve months after the Orders-in-Council were issued, have had the preference, and have covered the lands they had prayed for. The Committee beg leave here to observe that the board at Montreal unapprized by the Surveyor-General's Office that Your Excellency's orders had issued in council for grants of lands to be made to individuals in the tract in question, proceeded as directed by the 4th Article of the Rules and Regulations of the 17th of February last for the Conduct of the Land Office Department. The communications ordered to be made by the Clerk of the Council to the board of the district where the Governor-in-Council shall have ordered lands to be granted after the 25th of Aug't last will prevent in future similar difficulties.

The Committee humbly submit, whether the reasonable expectations of the first petitioners, founded on the orders issued from the Council Office to the Surveyor-General's Office, may not be gratified by grants of front lots or lots bounded by the river in new townships which may be laid out on the south bank of the Ottawa, above the mouth of the River Rideau, and likewise on the north side of the Ottawa? And further, whether if the land boards were to be instructed not to grant certificates of location in any township in their respective districts before they are possessed of a plan thereof duly certified from the Surveyor-General's Office, it might not be a means of preventing the like embarrassments in future?

All which is nevertheless with the greatest deference humbly submitted to Your Lordship's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 11th Dec'r, 1789.

Letter from Mr. James Rankin to Mr. Collins, D.S.G.

Montreal, Nov'r 15th, 1789.

Sir: I returned a few days ago from the Grand River; with the badness of the weather and my exposed situation I caught a bad cold which caused me to return without finishing my work; my room is every day crowded with orders for land from the board, which has been complied with, until all the land (commencing at the Third Township, S.S. Grand River) is granted in front, except reserved lots for the Crown; and all the north side commencing at the Fourth Township.

You will oblige me much in sending me a draft of a township with the reserv'd lots marked thereon, likewise the vacant lots in the first and second Township s. side, and the first, second and third on the north side; as soon as possible you shall receive an account of the proceeding of. Sir, Your most obedient and most humble Servant. JAMES RANKIN, D.P.S.

Honourable John Collins, Esq'r,

D.S.G., Quebec.

Mr. Collins's answer to the foregoing letter:

Surveyor-General's Office,

Quebec, 26th Nov'r, 1788.

Sir: I received your favour of the 15th instant and am truly sorry for your ill-state of health but hope as it proceeded from a cold that a little care will soon restore your health. I observe you mention your having given by orders from the board all the lands on the south side the Ottawa River from the Third Township upwards and all the lands on the north side the s'd river from the Fourth Township upwards except those reserved for the Crown. By your instructions from this office approved by His Excellency Lord Dorchester, you are directed to make a particular survey and report the same accompanied with a plan to this office which must be first done before you can assign a lot to any person; how is it possible you can know the orders I have received from His Excellency the Governor-in-Council respecting the disposal of those lands until you receive them from this office. Sir John Johnson, in behalf of several of his friends and many other gentlemen, hath received the Governor's orders for a

considerable quantity of land in that part and I am directed to report the survey which cannot be done until you enable me to do it, by sending down your plan and report which I have long expected from your Letter of 3rd Sept'r which says you had nearly completed your survey. From the tenure of your letter of the 15th, I greatly fear that what you therein mention will occasion great confusion. In a former letter I requested you to let me have your account properly vouched that it might be brought into the last half year's accounts. If it does not arrive in time it will not come before the Committee until next April. I am with regard, Sir, Your most obed't Servant. JOHN COLLINS, D.S.G.
Mr. J. Rankin, D.S.G.

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.

Report of a Committee of the whole Council on the reference of a report of the Land Committee relating to locations on the south bank of the Outawa River.

My Lord: The Committee being assembled this day (consisting of the Chief Justice with Messrs. Finlay, Harrison, Collins, Delery, Pownall, Caldwell, Grant, Baby and Dupré) the Deputy Surveyor-General submitted to their inspection the map of the late survey by Mr. Rankin whom they also admitted for further explanation.

And after deliberating upon the report of the Land Committee, this Committee conceive it may be most prudent to suspend the ultimate decision upon the repugnant expectations of certain petitioners and those who may have obtained occupation certificates for the same lands, under authority of the Land Board of Montreal, until an opportunity given for apprizing the said land board of the whole matter and they shall have made report thereon, with their opinion of the best manner of affording satisfaction to such parties as are discontented with the occupation certificates, if any such there are.

And for that purpose the Committee humbly recommend that the Clerk of the Council transmit a copy of the said report and of this report to the said Land Board; and request their own report into the office of Your Lordship's Secretary without delay.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

WM. SMITH, Chairman.

Quebec, 13th January, 1790.

His Lordship taking the said reports into consideration was pleased, with the advice of the Council, to approve of what is proposed in the foregoing report of the Committee of the whole Council to be done and to order, as it is hereby ordered, that the same be duly and punctually complied with and carried into execution; whereof the Land Office Board at Montreal and all other persons, whom it may concern, are to take notice and govern themselves accordingly.

The Clerk of the Council to forward a transcript of the above under his signature to the Land Office Board at Montreal without delay.

Ordered also by His Lordship, with the advice of the Council, that Arthur Davidson, Esquire, be a member of the Land Board for the District of Montreal, in the room of Will'm Dummer Powell, Esquire.

Whereas there were this day read at the Board the following reports:

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.,— The Committee appointed to consider the applications for grants of the waste lands of the Crown beg leave humbly to report to Your Lordship that at

a meeting on Friday, the 21st of this month, Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant and Mr. De Lanaudiere, was read a letter from Mr. Secretary Motz to Mr. Finlay dated the 12th instant, in the words following:

I have His Excellency Lord Dorchester's commands to transmit a letter from the Land Office Board for the District of Mecklenburg dated the 23rd of September, with the reports of their transactions between the 17th of June and the 9th of September and to signify His Lordship's desire that the Committee examine the same and report to His Lordship how far these proceedings are conformable to the Rules and Regulations for the Conduct of the Land Office Department of the 17th of February and 25th of August last, and what communications they may think advisable to be made to the board together with such a schedule of the certificates issued by the board agreeable to the powers vested in them, as it may be expedient to insert in the Council minutes for the security of the settlers, and likewise their opinion upon those cases which are sent by the board for the decision of the Governor-in-Council.

His Lordship further desires the Committee will make enquiry of the Surveyor-General's Office respecting that part of Mr. Cartwright's letter which states a want of plans and knowledge of locations heretofore made in certain parts of the District of Mecklenburg, and that they ascertain and report to His Lordship how far the directions contained in the Fifteenth Article of the Rules and Regulations for the Conduct of the Land Office Department of the 17th of February last have been carried into execution, together with their opinion of the proper course for remedying the evil complained of, if it still exists in any part of the Province.

And in obedience to Your Excellency's commands so signified to this Committee, we proceeded to read the letter from the Land Office Board of Mecklenburg and to examine the reports of their transactions which were transmitted to us therewith.

The Committee beg leave to express their wish that the reports from the Land Boards hereafter to be transmitted to the office of the Governor's Secretary at the end of every three months may state the transactions of each separate meeting, together with the petitions of that period and extracts from the certificates granted thereon to be filed in the Council Office, as directed by the III and V Articles of the Rules and Regulations of the 17th of February last for the Conduct of the Land Office Department, as all grants of the Crown proceed upon the supposition of its grace having been craved by the subject, and the operation of the Laws of Forfeitures, &c., may not apply without that evidence.

The paper marked A which was referred to this Committee indorsed "Report from the Board of Mecklenburg on the Petitions for Lands from reduced Officers, from the 17th of June to the 9th of Sept'r, 1789," was first examined and it appears to the Committee from that report and from the petitions therein referred (which accompanied it) as likewise from information had of the Deputy Surveyor-General that the greatest number of those whose names are inserted therein are reduced officers who, by Your Lordship's Order-in-Council of the 22nd of October, 1788, are entitled to an additional grant of as much of the waste land of the Crown as shall put them on a footing in point of quantity with the Officers of the 84th Regiment, provided it shall appear that they have made the improvements required, as on that condition alone can they be benefited by that order. The Committee have made out a schedule containing the names of those reduced officers, mentioned in the report from the Land Board of Mecklenburg and they have marked it number 1; and have annexed it to this report.

Other petitioners claiming a right to be put on the same footing with the Officers of the 84th, as set forth in that report, are Quarter-Master Mathew Dies, Lieut. Allen McLean, late of the 29th Reg't; George Magin of the Indian Department; Samuel Thomson, late Indian Storekeeper at Niagara, and Commissary John Ferguson; none of whom are entitled to the lands they pray for, under Your Lordship's Order-in-Council of the 22nd of October, 1788. Because by the King's Instructions relative to the Officers of the 84th Reg't persons of their description are not entitled to any lands more than other loyalists, excepting Quarter Master Dies under His Majesty's Instructions of 1783.

The Committee therefore cannot recommend any of them for grants in addition to the lands they have already received excepting Samuel Thompson who has been considered by the Board of Mecklenburg as entitled to the additional bounty of 200 acres.

The paper now marked B and headed "List of Petitions from Old Settlers for family lands, and the additional bounty under the instructions of the 2nd of June, 1787, presented to and examined by the board for the District of Mecklenburg from the 17th June to the 9th of Sept'r, 1789" was next considered by the Committee, who presume that the Board of Mecklenburg, following the directions laid down in the VII Article of the Rules and Regulations for the Conduct of the Land Office Department have been fully satisfied of the justice of their claims; they have annexed to this report the Schedule No. 2, with the names of those who have obtained certificate from the board, and the number of acres allowed to each; the place of location is not inserted in the schedule.

The Committee next examined the paper or report now marked C, intitled "A list of Petitions from persons who having never borne Commissions claim locations of lands as Officers, or as rewards for services beyond the power of the Board to grant, presented between the 17th June and the 9th Sept'r, 1789," and having considered the petitions addressed to Your Lordship, which were transmitted with the list and referred to the Land Committee, they humbly observe on the claim of Alexander Chisholm that he does not seem entitled to be put on the footing of a Captain of the 84th which he prays. The Deputy Surveyor-General does not recollect to have seen an order from Lieut.-Governor Hamilton to grant Mr. Chisholm a captain's allowance of land as is stated in his petition. Mr. Collins informs the Committee that this petitioner received Lot No. 3 in the first Concession and Lot No. 3 in the 2d Concession of Camden which, together with 200 acres granted by the Board at Mecklenburg, make 600 acres.

And on the claims of James Smith, Martin Frileigh and John Farrier, the Committee are led to consider them as meriting consideration from the remarks made on the petitioners by the Board at Mecklenburg as men of tried loyalty; they therefore humbly offer their opinion that Alexander Chisholm, James Smith, Martin Frileigh and John Farrier may obtain over and above the bounty granted by the Board at Mecklenburg, an additional quantity to make in all 700 acres to each.

In this list it is likewise stated that Samuel Sherwood never had an officer's commission, altho' he received lands as a subaltern. The Deputy Surveyor-General observed that Mr. Sherwood without further claim than that of a mere settler, counting the number of persons in his family and including the additional bounty, has not received more land than he is entitled to. The report of the board considered the Committee cannot recommend Mr. Sherwood for an addition to the quantity of land he now possesses.

The Committee are of opinion that the prayer of Joseph Anderson (stated likewise in this list) for Wapoos' Island ought not to be granted. Wapoos, an old Chief of the Missessaga tribe, has long had his residence on that Island with his family, as the Committee have been credibly informed.

The Committee next took up the paper (marked D) headed "List of Persons from the American States and elsewhere, admitted by the Board of the District of Mecklenburg from the 17th June to the 9th of September, 1789, to become Settlers and receive 200 acres of land under the description of persons of good character."

By this list it appears that twenty settlers have been admitted and for want of due proof of the allegations in favour of their admittance four persons have been rejected.

The Committee have only to observe on this list that as the persons therein mentioned have been admitted under the directions contained in the IVth Art. of the Rules and Regulations of the 17th Feby. for the Conduct of the Land Office Board, it is their opinion that the petitions preferred to the board and addressed to His Excellency the Governor ought to have been transmitted to be filed in the Council Office.

They have annexed to this report a schedule marked 3, containing the names of those petitioners who have been admitted and who have received certificates for lots of 200 acres as persons of good character; no place of location is mentioned by the Land Board of Mecklenburg.

The paper marked E was next taken under consideration by the Committee. It is ordered, "Surveyor's return of lands granted in Mecklenburg, under authority of the Board to the 23rd of September, 1789," signed by "Alexander Aitkin, Deputy Surveyor." It contains the names of 97 persons to whom the board have granted certificates of location between the 1st of October, 1788, and the 23d of September last. The Committee have annexed a copy of that return under the title of Schedule No. 4.

The Land Board of Mecklenburg in their letter of the 23rd of September to Mr. Secretary Motz observe on the return made by Mr. Aitkin, the survey'r, in the following words:

It falls far short of what we have given certificates for, which is partly owing to a total want of plans of several townships and a very imperfect knowledge of the lands granted by the Surveyor-General's Office in others. Of Marysburg, Ameliasburg and Sophiasburg, the surveyor has no plans at all; nor has he ever been informed what lands have been given away by the Deputy Surveyor-General in the year 1787 in Kingston, Ernest-Town, Fredericksburg and Adolphustown. In those seven townships, therefore, he can give no certificates of location and many of the petitioners rather choose to wait until the difficulties respecting them can be removed than take their lands elsewhere.

On considering this representation from the Land Board of Mecklenburg, the Committee had recourse to the Deputy Surveyor-General for information touching this charge against the Surveyor-General's Office; and for answer thereto the Deputy Surveyor-General (Mr. Collins) stated, to the Committee that all the land in front of the Township of Marysburg was granted long since to discharged troops, to Germans and to some loyalists; that the settlers in that township had received their family lands at the backs of the lots they had first drawn, with a promise that the King's bounty of 200 acres to every grantee should be given adjoining his family lands, which (as Mr. Collins informs the Committee) takes up every lot in Marysburg, as he believes. The Deputy Surveyor-General further stated that the whole of the land in the front of the

Townships of Ameliasburg and Sophiasburg have been drawn by the settlers of the Townships of Fredericksburg and Adolphustown for their family lands, with a like promise that the King's bounty should be assigned to each settler, to join his family lands; and he observed that those bounty lands would all have been granted in the year 1787 as promised, had he not been prevented from putting those people in possession, by reason of his having been detained until late in fall of that year, at the head of the Bay of Quinté, to assist Sir John Johnson in the purchase of the Indian lands from the Missisagas; and he further stated, that to prevent the discontentments and confusion that must necessarily have followed if he had sent up the plans in question, he considered it to be his duty to keep them back until the people to whom promises had been given were satisfied. He apprehends that when those promises are fulfilled there will be but a small quantity of land left to be disposed of in any of the townships above mentioned.

The Deputy Surveyor-General begs it may be noted that immediately on the appointment of the Land Boards, he transmitted to Mr. Aitkin, the Deputy Surveyor of Mecklenburg, plans of five new townships which had been laid out in 1787 where, as Mr. Aitkin informed Mr. Collins, the whole of the new-comers wished to make settlement.

The Committee are humbly of opinion that the plans of the townships mentioned to be wanting by the Land Office Board of Mecklenburg should be transmitted with all convenient speed to the Deputy Surveyor of that district, together with the information given by the Deputy Surveyor-General relative to them, and that it should be recommended to the board to pay attention to the claims alluded to by Mr. Collins, as far as may be consistent with the General Instructions.

The Committee beg leave to observe that they find in some instances persons who drew lots which they considered afterward as unprofitable have thrown them up and applied for other locations in lieu of them; and as abuses may arise from such practice, unless guarded against by the boards, the Committee conceive that circumspection ought to be used in admitting claims so founded.

On the case of David Conger, a settler in the Township of Sydney, mentioned in the Report B of the Board of Mecklenburg, who is therein stated to have had from the Deputy Surveyor-General 200 acres of land more than he is entitled to, Mr. Collins informs the Committee that Conger's family consisted of a wife and seven children when he applied for lands and that he received no more than 400 acres, so that he is entitled to 200 acres in addition to the quantity he actually possesses which the Committee recommend may be granted to him. The board at Mecklenburg were not, it would seem, informed of these particulars touching Conger's situation.

In the letter from the Land Board of Mecklenburg of the 23rd of September, already mentioned in this report, it is stated that it would greatly tend to promote the purposes of their appointment to grant to young men grown up (and getting families since the forming of the new settlements) the same quantity of land that is given to persons of good character desirous of becoming settlers. The Committee have to observe on this remark of the board that Your Excellency has anticipated that judicious proposal, by Your Lordship's Order-in-Council of the 9th of this month, which must give the highest satisfaction to every loyalist in the new settlements as it will reflect honour on the posterity of that meritorius set of men.

It is further stated by the Mecklenburg Land Board that an opinion prevails in the upper districts among the disbanded non-commissioned officers and

soldiers, that privates are entitled to 200 acres and the others to 400 acres in order to be on a footing with persons of a like description that were of the 84th Regiment; but the board have uniformly rejected every application so founded; and further, that they have likewise rejected all applications that have been made for an addition of 50 acres on account of children born after the first grant of family lands. The Committee are of opinion that the Land Board was right in rejecting all such applications and to put a stop as well to the unwarranted claims of the disbanded non-commissioned officers and privates, as to future applications for 50 acres for every child born in a family, after the grant for family lands has been obtained, the Land Boards would do well publicly to let the settlers know their mistake respecting either claim.

This Committee further conceive that the board acted according to the spirit of Your Lordship's instructions in directing 100 acres to be added to the first lots to settlers of 100 acres each and that they did well early to check the improper transfer of locations which, by the forms of the certificates of occupancy which Your Lordship has directed the Land Boards to grant, is effectually remedied.

And in due obedience to that part of the reference which commands this Committee to report to Your Lordship how far the directions, contained in the XV Article of the Rules and Regulations for the Conduct of the Land Office Department of the 17th of February last, have been carried into execution, the Committee enquired of the Deputy Surveyor-General whether schedules had been framed in the Surveyor-General's Office of all lots granted under certificates throughout the Province; specifying the petitioner's names, the quantum of the location, the place where and the date; and whether copies thereof have been lodged in the office of the Governor's Secretary, in the office of the Clerk of the Council, and a copy sent to each of the Land Boards in the different parts of the Province. On which Mr. Collins, the Deputy Surveyor-General, produced a complete schedule of lots granted under certificates in the following townships: Lancaster, Charlottenburg, Cornwall, Oznabruck, Williamsburg, Matilda, Edwardsburg, Augusta, Pitsburg, Elizabethtown, Kingston, Ernestown, Fredericksburg, Adolphustown, Sydney, Camden, Richmond and Thurlow.

And Mr. Collins further informed the Committee that two copies of the same schedule are in great forwardness and that the whole number of copies required by the Rules and Regulations for the Conduct of the Land Office Department will be finished without loss of time to be sent to the different Land Boards throughout the Province.

The Committee beg leave to close this report with their humble opinion, that for the security of the settlers who have obtained certificates from the Board of Mecklenburg for lots of land agreeable to the powers vested in them, it may be expedient that the return from the surveyor of the District of Mecklenburg of lands granted between the 1st of October, 1788, and the 23rd of September last, annexed to this report and marked Schedule No. 4, be inserted on the Council minutes, seeing it contains the name of every person who thought fit to follow up the course necessary for obtaining possession of the portion of land assigned to him. The Committee presume that those persons who have kept back their certificates have not as yet fixed on locations to their liking.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY.

Quebec, 25th Nov'r, 1789.

Schedules Referred to in the Foregoing Report

Schedule No. 1

Names of reduced officers of Provincial corps who apply'd between the 17th of June and the 9th of September, 1789, to the Land Board of Mecklenburg, by petitions addressed to His Excellency The Right Honourable Lord Dorchester for the same allowance of the waste lands of the Crown as had been granted to the Officers of similar rank in the late 84th Regiment in conformity to His Lordship's Order-in-Council of the 22nd of October, 1788; which petitions, together with the Reports from the Land Board of Mecklenburg, were referred to the Committee of Council for considering applications made for Crown Lands, who have given their observations thereon in the foregoing Report, viz.: 2nd Battalion Royal Regiment of New York: Captain James McDonell, Captain George Singleton, Lieutenant Hazleton Spencer, Lieutenant Oliver Church, Lieutenant John Howard, Lieutenant Henry Young, Lieutenant William McKay, Ensign William Crawfurd, ditto for his father Captain Crawfurd, and Ensign John Thomson.

The King's Rangers: Major James Rogers*, Captain John Walter Myer, Lieutenant Henry Simmon*, Lieutenant James Robins, Lieutenant James Parot, Ensign John Peters, and Ensign Richard Ferguson.

Those names marked thus * are inserted in the Return from the Surveyor of Mecklenburg with the quantity of land granted to each. (See Schedule No. 4.)

Schedule No. 2

List of old settlers who applied to the Land Board of Mecklenburg for family lands, and His Majesty's additional bounty, to whom certificates have been granted, between the 17th of June and 9th of September, 1789.

Names of the Applicants	Number of Acres Granted	Township Where the Applicant Resides
Henry Davis	200	Marysburg.
*Michael Smith	200	Fredericksburg.
Moses Foster	350	"
James McTaggert	450	"
Collin McKinzie	600	No township named.
Peter Bartholemeus	200	"
*Josua Booth	200	Ernesttown.
Ebenezer Washburn	200	"
Henry Gardiner	350	"
*Christopher Frileigh	100	"
*Henry Finckle	200	"
James Rogers, Junior	200	No place mentioned.
David Rogers	200	"
*Stephen Boyce	200	Ernesttown.
*John Conkler	200	"
*Peter McDougall	300	"
Amos Rambourg	300	Fredericksburg.
*John Foster	200	"
*Peter Thomas	200	Ernesttown.
*Barnabas Hough	300	"
*John German	200	Adolphustown.
*Joseph Franklin	200	Carleton Island.
*Joseph Franklin, Junior	200	Pitsburg.
*John Franklin	100	Kingstown.
Martin Stover	200	Ernesttown.
Christian Abrahams	200	"
Abraham Snyder	200	"
Jonas Amie	200	"

Names of the applicants.	Number of Acres Granted.	Township Where the Applicant Resides.
Gilbert Storms	400	Ernesttown.
Lewis Hicks	500	"
Simon Snyder	200	"
*Jacob Hesse	200	"
*Philip Hartman	200	"
Simon T. Cole	350	Adolphustown.
*Peter Frileigh	100	No place mentioned.
Charles Swan	200	Kingston.
John Richards	200	No place mentioned.
Augustus Spencer	200	"
*David Hartman	300	Ernesttown.
*Robert Perry	400	"
*Daniel Walker	200	"
*William Johnson	200	Thurloe.
Russel Putman	150	No place mentioned.
David Hawley	300	Ernesttown.
Conrade Van Dusen	200	Adolphustown.

The names in this schedule preceded by this mark * are inserted in the Return made by the Surveyor of Mecklenburg, with the quantity of land granted, together with the place of location. (See Schedule No. 4.)

Schedule No. 3

List of the names of persons from the American states and elsewhere who have been admitted by the Land Office Board for the District of Mecklenburg, between the 17th of June and the 9th of September, 1789, to become settlers under the description of persons of good character, and who have received certificates for land from that Board.

The names of the townships where the lands lie have not been returned by the Board of Mecklenburg.

Names	Number of Acres Granted	Names	Number of Acres Granted
*Robert Young	200	Nicholas Demarie	200
*Jacob Fritz	200	*James Demarie	200
*John McMichael	200	*James Henessey	200
*Jacob Smith	200	William Snyder	200
Peter DeSydney Conger	200	Philip Hunt	200
*John Havens	200	David Conger, Junior	200
Angel Hurff	200	*Richard Bushell	200
William Vilia	200	Oliver Foster	200
John Snyder	200	*Solomon Paddock	200
*William Walker	200	*William Hanna	200
Peter Frederick	200	Alexander Stuart	200

The names in No. 3 schedule preceded by the mark * are inserted in the Return made by the Surveyor of Mecklenburg, with the quantity of land granted each person. (See Schedule No. 4.)

Schedule No. 4

List of lands granted by authority of the Board for the District of Mecklenburg, between the 1st day of October, 1788, and the 23rd day of September, 1789, inclusive.

To Whom Granted	Date of the Certificate of Location	No. of Lot	No. of Acres	Concession	Township
	1788				
Nicholas Nylliar	1st October	½ 7	100	1	1st below Pitsburg.
Stephen Brown	" "	½ 8	100	1	"
Peter Rasbue	8th "	½ 17	100	1	"
John Hantz	" "	½ 19	100	1	"
John McAfee	" "	½ 21	100	1	"
Richard Smith	" "	½ 21	100	1	"
Abraham Smith	" "	½ 19	100	1	"
Samuel Smith	" "	½ 22	100	1	"
Robert Wright	" "	½ 22	100	1	"
Thomas Smith	" "	½ 23	100	1	"
Benjamin Attwood	" "	½ 23	100	1	"
Alexander Laughlin	" "	½ 17	100	2	Ernesttown.
Mathew Longwell	18th "	½ 24	100	1	1st below Pitsburg.
John Longwell	" "	½ 24	100	1	"
Eleaser Yedman	" "	½ 15	100	1	"
Thomas More	10th November	½ 7	100	2	Pitsburg.
Godfrey Leode	17th "	½ 3	100	1	1st below Pitsburg.
Richard Lewis	" "	½ 14	100	1	"
William Lewis	" "	½ 14	100	1	"
Richard and William Graham	10th December	16	200	1	"
	1789				
Gilbert Purdy and Rulof Ostorum	19th January	18	200	2	Sydney.
Francis Kine	21st "	½ 37	100	1	"
Tobias Cole	" "	½ 37	100	1	"
Peter Bradt	26th "	½ 14	100	1	Richmond.
Philip Swick	" "	½ 29	100	1	"
John and William Huff	25th February	16	200	2	"
Abraham and Solomon Huff	" "	15	200	2	"
William Reid	28th "	½ 4	100	4	Thurlow.
Abraham Willsee	" "	½ 5	100	4	"
John Reid	" "	½ 6	100	4	"
John Johnson	4th March	½ 5	100	4	"
James Johnson	" "	½ 4	100	4	"
Elias and Joseph Clapp	" "	12	200	2	Richmond.
Isaac Arnold	5th "	½ 13	100	2	"
Samuel Williams	13th "	½ 6	100	4	Thurlow.
Benjamin Spencer	16th "	½ 18	100	2	Richmond.
Henry Spencer	" "	½ 18	100	2	"
Conradt Fredericks	" "	½ 3	100	4	Thurlow.
Samuel Duree	" "	½ 3	100	4	"
Garrot Vanhorn	" "	½ 2	100	4	"
Benjamin Clapp	18th "	½ 2	100	4	"
John Wood	" "	½ 1	100	4	"
*James Demarree	19th "	½ 7	100	4	"
William Foster	24th	½ 7	100	4	"
Benjamin Wenney	26th "	½ 9	100	2	Richmond.
Mathias Marsh	16th May	½ 5	100	1	Sydney.
John Vanderlop	" "	5	200	2	"
Jacob Frileigh	18th June	6	200	2	"
*Michael Smith	" "	20	200	2	"
*Jacob Smith	" "	21	200	2	"
*Jacob Fritz	" "	12	200	2	"
*John McMichael	" "	21	200	1	Thurlow.
*John Havens	27th "	2	200	5	"
*Joshuah Booth	" "	3	200	5	"
Nicholas Lake	30th "	19	200	2	Sydney.
Richard Smith	" "	1	200	5	Thurlow.
Arthur Yeoman	1st July	7	200	2	"
*Henry Finkle	" "	16	200	3	Sydney.
*Robert Young	" "	4	200	3	Thurlow.
David Yeoman	" "	8	200	2	"

To Whom Granted	Date of the Certificate of Location	No. of Lot	No. of Acres	Concession	Township
Ensign Timothy Thompson..	2nd July	8	200	1	Joining No. 1 Sophiasburg, Little Lake.
*Peter McDougal.....	17th "	5 and ½ 6	300	3	Thurlow.
*Stephen Boice.....	" "	5	200	5	"
*John Conklin.....	" "	4	200	5	"
*Peter Thomas.....	" "	6	200	5	"
*John Foster.....	" "	17	200	3	Richmond.
John Ferguson and Captain Lipscomb.....	25th "	33	200	3	Sydney.
*Philip Hartman.....	29th "	23	200	3	"
*John German, Senior.....	" "	34	200	3	"
*Jacob Hesse.....	" "	22	200	3	"
*James Hennesy.....	" "	19	200	3	"
*Barnabas Hough.....	" "	20 and ½ 21	300	3	"
John Ferguson.....	25th "	.....	100	1	Joining Lot No.1 upon the east side of the River Cataracoui.
*Joseph Franklin, Senior.....	29th "	9	200	3	Pittsburg.
*Joseph Franklin, Junior.....	" "	11	200	3	"
*John Franklin.....	" "	½ 9	100	4	"
*Captain John Walter Myers...	12th August	11	200	3	Sydney.
*David Hartman.....	" "	24 and ½ 25	300	3	"
James Smith.....	" "	3	200	2	"
*Peter Friligh.....	26th "	½ 35	100	3	"
*Solomon Paddock.....	" "	32	200	3	"
*Christopher Frileigh.....	" "	½ 35	100	3	"
Martin Frileigh.....	" "	36	200	3	"
*William Johnson.....	" "	10	200	3	Thurlow.
*William Hannah.....	" "	11	200	3	"
Davis Hawley.....	" "	26 and ½ 27	300	1	Camden.
*Robert Perry.....	" "	16 and 17	400	2	"
*William Walker.....	" "	28	200	1	"
*Daniel Walker.....	" "	29	200	1	"
*Richard Bushell.....	17th September	4	200	4	Pittsburg.
*Ensign William Crawford.....	" "	26	200	5	Fredericksburg.
*Lieutenant James Robins.....	8th "	14	200	3	Pittsburg.
David Babcock.....	23rd "	20	200	3	Richmond.
Joachim Clocker.....	" "	19	200	3	"
Samuel Galloway.....	" "	21	200	3	"
Jacob Smith.....	" "	18	250	4	Sydney.
To "	" "	¼ 13			

ALEXANDER AITKIN, Dy. P.S'r.

Kingston, 23rd September, 1789.

The person whose name in schedule No. 4 is preceded by this mark * is inserted in one or other of the preceding schedules as having obtained certificate from the Land Board of Mecklenburg of his being entitled to the number of acres set down after his name.

At a meeting of the Committee of the whole Council on Wednesday, 13th January, 1790, there were present: The Chief Justice, Messrs. Finlay, Delery, Grant, Harrison, Pownall, Baby, Collins, Caldwell, Dupré.

Read the Order of Reference of the 24th December, 1789, and a report of the Land Committee on a letter from the Land Office Board for Mecklenburg dated the 23rd Sept'r, 1789, accompanied with reports from that Board with the

Deputy Surveyor's return of lands granted in that district between the 1st October, 1788, and 23d September, 1789, which had been referred to the Committee.

Resolved, that it is the opinion of this Committee:

First, that a copy of the report of the Land Committee should be sent to the Land Board of Mecklenburg for their information and guidance, with information nevertheless that the transmissions with their quarterly reports of copies or extracts of the certificates of occupation granted by the board, agreeable to the 5th Article of the Rules and Regulations of the 17th February last may be dispensed with, since the list directed to be sent by the same article, expressing the petitioners' names and the dates of the certificates with the quantum and place of the location, will convey every necessary information, considering that all certificates of occupation are to be issued agreeable to a certain prescribed form.

Second, that this Committee concur agreeable to the recommendation of the Land Committee, that such additional quantity of acres be granted to Alexander Chisholm, James Smith, Martin Frileigh and John Farrier, respectively, as will put them upon the whole in possession of seven hundred acres each, including the allotments already made to them, and that the said Land Board be directed to ascertain and report the specific quantities which they shall find due under this report with the proposed places of location; that if the same shall be finally approved of by the Governor and Council, the board may thereupon be authorized to pledge the faith of government to them respectively, by issuing proper certificates of occupation, and

Third, that a copy of this report be also transmitted to the said Land Board of Mecklenburg.

WM. SMITH, Chairman

13th Jan'ry, 1790.

His Lordship taking the said reports into consideration was pleased, with the advice of the Council, to approve of the foregoing resolves of the Committee of the whole Council, and to order as it is hereby ordered that the same be duly and punctually complied with and carried into execution, whereof the Land Office Board for the District of Mecklenburg and all other persons, whom it may concern, are to take notice and govern themselves accordingly.

The Clerk of the Council to forward a transcript of the above under his signature, to the Land Office Board for the District of Mecklenburg, without delay.

His Lordship communicated to the Council the following letter from Mr. Collins, Deputy Surveyor-General, viz.:

My Lord: In obedience to the 15th Article of Your Lordship's Order-in-Council the 17th February, 1789, for the conduct of the Land Office Department, I have the honour to lay before Your Excellency the copy of a schedule, with an alphabetical list of the several townships in the Districts of Luneburg and Mecklenburg, shewing at one view all the lots under certificates, with the proprietor's name and situation of his lot, agreeable to the plans and reports made by the deputy surveyors employed on that service which is humbly submitted to Your Lordship's wisdom.

JOHN COLLINS, D.S.G.

Quebec, 20th January, 1790.

Ordered by His Lordship, that the inclosures of the said letter be subjected to the inspection of the Land Committee and that they report their observations upon the execution of the work, transmitting their report to the office of His Lordship's Secretary with all diligence.

At a Council holden at Quebec, on Monday, the 22nd of February, 1790. Present: His Excellency Lord Dorchester, Governor; The Honourable William Smith, Esquire, Chief Justice, and The Honourable Hugh Finlay, George Pownall, Edward Harrison, Henry Caldwell, John Collins, Adam Mabane, William Grant, J. G. C. Delery, Le C'te Dupré, Esquires.

Whereas there was this day read at the board the following report of the Land Committee, on His Excellency's reference of sundry petitions for lands, with other papers transmitted from the Land Board of Montreal, to the office of the Governor's Secretary.

In obedience to Your Lordship's commands to us signified by a letter from Mr. Secretary Motz of the 11th of this month, addressed to Mr. Finlay as President of this Committee, we have examined the papers therewith transmitted. And first we took up eighteen petitions for lands which Mr. Chew, a member of the Land Office Board at Montreal, states in his letter to Mr. Motz of the 28th of last August, "the board do not think themselves empowered to grant without His Lordship's approbation" and having considered them, we conceive it to be within the sphere of the trust committed to the Land Office Boards by the II Article of the Rules and Regulations of the 17th of February last, to issue certificates for grants of the waste lands of the Crown, lying within their respective districts not only to all His Majesty's good and faithful subjects, but to all others worthy of being admitted as such. We therefore humbly submit, whether those petitions may not be return'd to the board at Montreal, together with two more under the same description sent to Mr. Motz by Mr. Chew on the 14th of November, that certificates may be granted to such of the petitioners as shall be able to satisfy the board of the safety and propriety of admitting them to become inhabitants of this Province, unless it may appear to Your Excellency more regular to order them to be transmitted to the Land Board of Luneburg (the district in which the lands prayed for are situated) excepting the petition from Major James Hughes who applies for 2,000 acres on the River Chateauguay in the District of Montreal.

We next examined eighty-three petitions upon which certificates have been issued by the Montreal Board, as Mr. Chew states in the above-mentioned letter to Mr. Motz of the 14th Novem'r, but by the minute which accompanied by the petitions, signed by Lt.-Col. Harris, Mr. Powell and Mr. Pastorius, three of the members of the board, we find only seventy-one of that number reported; the remaining twelve petitions (of which a list is annexed to this report) appear in an alphabetical list of the eighty-three petitions, sent by Mr. Chew to Mr. Motz, unsigned; that paper is headed Abstract of petitions that have been received by the board at Montreal, and certificates granted for lands to the petitioners. We are therefore of opinion that they do not carry with them regular evidence of the sanction of the board for a record or document for the security of the persons who have obtained certificates as prescribed by the III, IV and V Articles of the Rules and Regulations already cited and we humbly submit (seeing certificates are stated to have been issued on those petitions) whether they ought not to be sent back to the board at Montreal, to be returned to the office of the Governor's Secretary in the manner directed in the V Article of the Regulations for the Conduct of the Land Office Boards, notwithstanding the lands prayed for are situated in the District of Luneburg.

The Committee further humbly submit whether to prevent uneasiness to those persons who have on petition obtain'd locations on the Ottawa River and who consider the faith of Government to be pledged to them by the proceedings of the Land Office Board at Montreal, it may not be advisable for Your Excel-

lency in Council to confirm the certificates of location already issued by the Montreal Board, and to order the Clerk of the Council immediately to notify to the Land Board of Luneburg Your Lordship's determination therein; and we beg leave to suggest that perhaps it might be proper that the Surveyor-General's Office transmit immediately to the board at Luneburg, a return of all the locations that have been granted in that district under certificate from the board at Montreal, to prevent disputes that would undoubtedly arise, were certificates to be issued in Luneburg for lots already located by authority from the Montreal Board.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 22nd of January, 1790.

List of petitioners at Montreal for lands on the Ottawa River, who, in an alphabetical list, transmitted to the office of the Governor's Secretary by Mr. Chew, are stated to have obtained certificates of location referred to in the foregoing report.

Nicholas Bloomes, No. 7; John Bradley, No. 8; Lewis Bright, No. 9; John Cumming, No. 16; Peter Carpenter, No. 17; Adam Dogstrader, No. 21; Martin John, No. 34; George Killimere, No. 39; Melchir Kayser, No. 40; John Schaum, No. 73; John Tiring, No. 74; William Wallace, No. 82.

HUGH FINLAY.

His Lordship taking the said report and the petitions and papers therein mentioned into consideration was pleased, with the advice of the Council, to order, as it is hereby ordered, that all the petitions and papers above referred to be returned to the Land Office Board at Montreal, with instructions to transmit to the Land Office Board for the District of Luneburg all such petitions as are for lands, situated in that district with full information of the proceedings had thereon. And the boards at Luneburg are to proceed upon all such petitions agreeable to their general instructions, taking into consideration the proceedings of the board at Montreal, and the importance of preventing uneasiness to those persons who may consider the faith of government pledged to them by certificates derived under the authority of that board. And the Surveyor-General's Office is to deliver to the Clerk of the Council such list of locations as the report of the Land Committee refers to, to the end that it may accompany the other papers to be transmitted as above directed. And if a diversity of claims shall arise for one and the same spot, the boards are to hear the parties concerned and adjust their pretensions in the most equitable manner and in cases of doubt and difficulty to report the same for the determination of the Governor and Council. Whereof the said Land Office Boards and all persons concerned are to take notice and govern themselves accordingly.

His Lordship expressing his opinion of the utility of furnishing the Council Chamber with a general map of the Province and separate maps, on a larger scale, of the several districts into which it is divided, shewing the parishes, seignories and their concessions, in the Districts of Quebec and Montreal, and the townships, grants and tracts held under occupation certificates throughout the Province.

It is accordingly ordered by His Lordship, with the advice of the board, that the Surveyor-General's Office proceed to the execution of this work without delay, and that a duplicate of the general map be also prepared for transmission to the office of His Majesty's Secretary of State.

The destination of each map to be inscribed thereon, as well as the names of the persons by whom the original surveys were made, distinguishing the parts done by each and at what time.

The scale of the general map to be six miles to an inch and the scale of the maps of the several districts two miles to an inch.

And to facilitate the design with the greater accuracy and dispatch it is committed to Messrs. Finlay, Harrison, De Lery, Grant and Baby as soon as may be to make report to His Lordship of a list of the parishes and of all the seigneuries and grants they respectively comprehend, specifying the dates of the creation of the parishes, as well as the dates of the seignories and grants. That for this purpose they send for persons, papers and records and that they take course for calling in the assistance of the seigniors, clergy and officers of the militia, for such information as their case may require, and for returns from every parish of the names of all males therein of the age of sixteen years and upwards, discriminating those under nineteen years from such as are above that age, and also distinguishing of what seigniories or grants they are stated inhabitants.

The surveys, journals and field books of Messrs. Pennoyer and Rankin, Deputy Provincial Surveyors, are referred by His Lordship to the inspection and report of the Land Committee.

Read a report of the Land Committee of the 19th inst. respecting the corrected schedules of grants of lands in the new districts.

His Lordship expresses his desire to mark the distribution of the waste lands of the Crown with such accuracy as may enable the Government to make the intended grants in the easiest and cheapest manner to all, to whom the public faith may be pledged, and thereby to prevent disputes and law suits, which might otherwise arise among the settlers to their own and the public detriment.

Ordered that the said report be referred to a Committee of the whole Council for their opinion and and report of the proper steps for fulfilling His Lordship's design.

Read the following report of the Land Committee on the petition of the Reverend Mr. Doty for 2,000 acres of land.

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.,— In obedience to Your Excellency's commands we have considered the petition of the Rev'd Mr. Doty, late Chaplain to the First Battalion of the Royal Regiment of New York, praying for two thousand acres of land in the Second Township above Elizabethtown, comprehending the Lots No. 20 to 24, inclusive, with the corresponding lots immediately behind them which he states to be vacant.

We humbly beg leave to observe to Your Lordship that in our report of the 18th of June last it is set forth that the Committee, in conformity to His Majesty's Instruction of the 7th of August, 1783, to His Excellency General Haldimand, have considered chaplains of Provincial Corps to be entitled to 500 acres of the waste lands of the Crown, exclusive of fifty acres for each person of which his family may consist. The Reverend Mr. Stuart received a warrant for no more than 500 acres as chaplain to the Second Battalion of the Royal Regiment of New York. On Mr. Doty's receiving a warrant of survey for a like quantity together with 50 acres for every person of which his family consists (and for which we humbly recommend him) he will be on a footing with Mr. Stuart.

The Committee do not find that the Chaplain of the 84th Reg't (supposing Mr. Stuart and Mr. Doty to be on a footing with him) would have been entitled to any lands, seeing that neither Staff nor Warrant Officers of that regiment are mentioned in His Majesty's 41st instruction to Your Lordship, which fixes the

quantum of acres to be allowed to field officers to captains,, subalterns, non-commissioned officers and privates only.

All which is nevertheless humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 12th Febry., 1790.

Col. Caldwell dissents from the foregoing report and desires his reasons may be annexed to it, in the following words: Mr. Caldwell objects to the above report, for tho' by the King's Instructions, Mr. Doty is intitled as chaplain in common with the other subalterns of the regiment, to 500 acres only, yet as those subalterns by the opinion of the Governor-in-Council, are put on a footing with the subalterns of His Majesty's late 84th Regiment, he is of opinion that Mr. Doty is equally entitled to the same quantity of land as the subalterns of his Corps.

HUGH FINLAY, in the chair.

Tuesday, the 2nd of March, 1790.

At a Council holden at the Castle of Saint Lewis in the City of Quebec—

Present: His Excellency Lord Dorchester, Governor and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, John Collins, François Baby, J. G. C. Delery, Le Comte Dupré, Esquires.

Whereas there were this day read at the board the following report of the Land Committee, viz.:

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.,— The report of the Land Committee. Present: Messrs. Finlay, Collins, Caldwell, Grant and De Lanaudiere, on the corrected schedules of grants of land in the new districts.

May it please Your Lordship: In obedience to Your Excellency's Order-in-Council of the 20th of January last, subjecting to the inspection of this Committee the schedules of grants of land made in certain townships in the new districts westward of Montreal, as corrected by the Surveyor-General's Office, and requiring of us to report our observations upon the execution of the work. We humbly beg leave to inform Your Lordship that we have compared the corrected schedule of grants made in the Township of Lancaster in the District of Luneburg with the plan of that township whereon the concessions are protracted, the lots in each concession laid down and numbered, with the names of the grantees wrote upon the respective lots; and we find that that schedule corresponds with the plan, shewing the names of the grantees, the township in which their grants are situated, the number of the concessions in which they have drawn, with the numbers of the lots they possess.

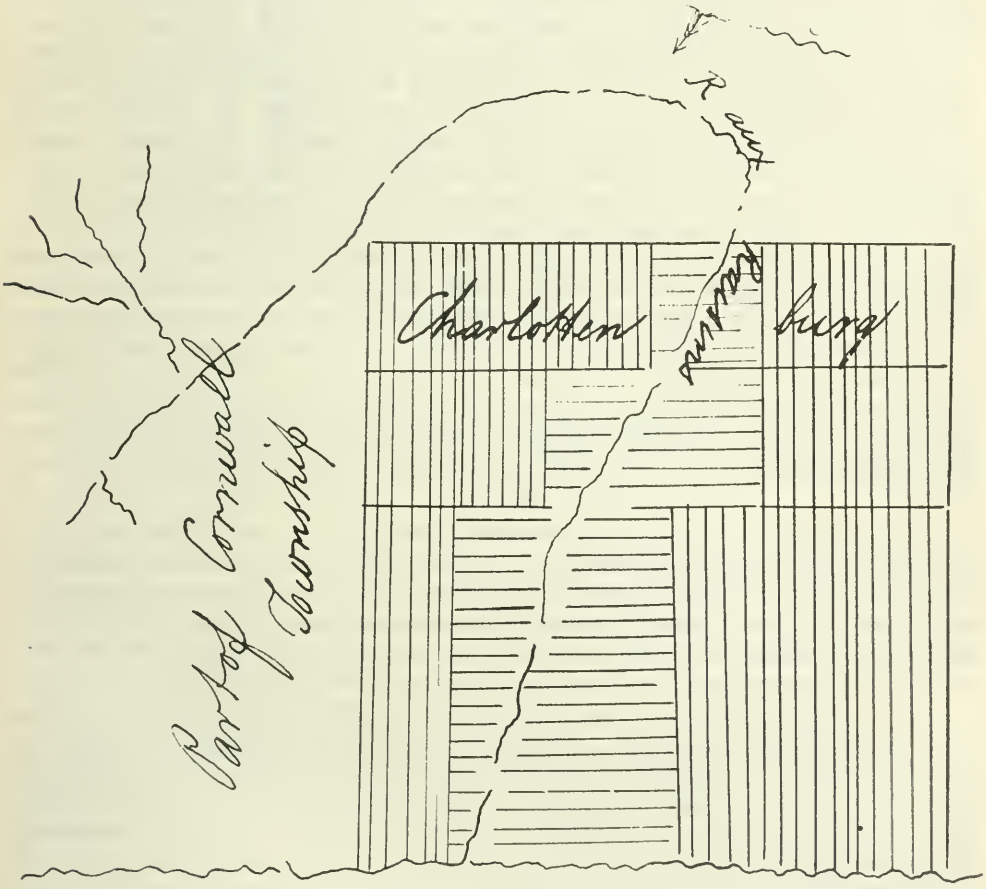
On examining the plan of the adjoining township (Charlottenburg) we found it difficult to discriminate the concessions or ranges of lots upon the plan, by their numbers. The confusion that appears on the face of the plan or survey has arisen by a deviation on the part of the Deputy Surveyor from the plan originally projected for laying out the siegneuries in the new districts, at this day better known by the name of townships.

The first project as the Committee have understood from the Deputy Surveyor-General was to have the townships laid out into eight, ten, twelve or more ranges of lots called concessions, according to the depth of the township, the concessions were to run parallel to each other; the ranges to contain a certain number of lots of 200 acres each, the front of every lot to run parallel to the front of the township.

The Township of Charlottenburgh lies on the River St. Lawrence and fronting it; through that township there runs a considerable stream called Rivière aux Raisins.

The Deputy Surveyor, who was employed to divide the concessions in Charlottenburgh into lots, deviated from the original plan and instead of making all the fronts of the lots lie parallel with the front of the township, he gave fronts upon the north side and fronts upon the south side of the Rivière aux Raisins, in such manner (as appears by the plan) that some of the lots will contain more than 200 acres, whilst other lots (owing to the bends in the river) will not contain perhaps one-third of that quantity.

That the effect of this deviation from the original plan may more clearly appear and the confusion thence arising be better understood, the Committee humbly submit a diagram (on page 101) descriptive of the manner in which the lots in Charlottenburgh have been laid out to Your Lordship's inspection.



From this deviation the Committee apprehend that difficulties and disputes may in time arise between the grantees of the concessions fronting the River St. Lawrence and the grantees in the concessions that have their fronts on the Rivière aux Raisins, each grantee conceiving that a lot is to contain not less

than 200 acres. Were some of the lots upon the Rivière aux Raisins to be extended to contain 200 acres, they would intersect the lots lying immediately behind them that front in a parallel with the front of that township.

Part of this stream runs through the next township called Cornwall.

The Committee humbly conceive that in order to prevent disputes between the settlers whose lots front the River St. Lawrence and those who have the Rivière aux Raisins for their front, in the Townships of Charlottenburg, Cornwall and elsewhere, it may be advisable to give intimation through the Land Office Boards of the district to the grantees upon the Rivière aux Raisins, that the depth of their lots is bounded by the nearest concession behind them. When it shall be found that any such lot is short of 200 acres, the deficiency may be made good by grant in some other part of the township, or in any part of the district where waste lands may be found.

The Committee do not perceive that to proceed here on the further comparison of the schedules with the plans of the townships would be attended with any advantage, presuming that from that part of the work that has been corrected by the Surveyor-General's Office, and which the Committee examined, the rest is equally correct. It is not in Quebec where errors in the plans can be corrected; all that can be done in this place is to see whether the schedules which are taken from the plans correspond with them in shewing the grantee's name, the number of the lot, the name of the township, where situated and in what concession there, and this the Deputy Surveyor-General has certified to be accurately done. The Committee, therefore, humbly submit whether it might not be advisable forthwith to transmit the plans and schedules which have been subjected to the inspection of this Committee, to the respective Land Office Boards, as there alone the plans from which the schedules have been composed can be corrected and made perfect if any error has been made in entering a wrong name on any lot or lots in any township, and the Committee likewise humbly submit whether directions ought not to be given to the boards to transmit from time to time to the Surveyor-General's Office a note of all errors they may find upon the plans, in order that the general plan lodged here may be corrected thereby.

The Committee observed on examining the index to the schedule of grants made in Charlottenburg, that under the letter "M," John McDonell appears to possess 2,400 acres of land, and on enquiry of the Deputy Surveyor-General it was found that that quantity does not belong to one but to many John McDonnells but for want of some mark of distinction upon the plan those John McDonnells have been considered as one and the same person.

To correct this and such like inaccuracies, the Committee humbly conceive that it may be expedient to order the Deputy Surveyor of the district to advertise the grantees of that name to produce to him their certificates of location, and from each learn the name or epithet by which he is distinguished from another John McDonell among his countrymen and let that name be added to the name already entered on his lot or lots upon the plan; the same will be done upon the schedule from which the alphabetical list or index may easily be corrected.

The Entry in the Index appears thus: When corrected it will stand thus:

M						M				
	Lot	Acre	Situation	Total of Acres		Lot	Acre	Situation	Total Granted
					McDonell, John				
McDonell, John	½ 15	100	In 1st Con.	.....	..... A	½ 15	100	In 1st Con.	.....
	½ 20	100	" 2d "	.....	 C	½ 20	100	" 2d "	A
	½ 12	100	" 2d "	.....	..... B	½ 12	100	" 2d "	500
	½ 20	100	S. side R. aux Raisins	.....	..... B	½ 20	100	S. side R. aux Raisins	.....
	½ 55	100	N. side "	.....	..... A	½ 55	100	N. side "	.....
	½ 12	100	S. " "	.....	 C	½ 12	100	S. " "	B
	½ 14	100	" "	.....	 C	½ 14	100	" "	200
	½ 9	100	" "	.....	..... A	½ 9	100	" "	.....
	½ 14	100	" "	.....	..... D	½ 14	100	" "	.....
	19	200	In 11 Con.	.....	..... A	19	200	In 11 Con.	C, 500
	½ 16	100	" 12 "	.....	..... E	½ 16	100	" 12 "	.....
	28	200	" 13 "	.....	..... E	28	200	" 13 "	.....
	26	200	" 14 "	.....	 C	26	200	" 14 "	D
	9	200	" 14 "	.....	..... D	9	200	" 14 "	500
	9	200	" 16 "	.....	..... D	9	200	" 16 "	.....
	4	200	" 16 "	.....	..... E	4	200	" 16 "	.....
	32	200	" 17 "	.....	..... E	32	200	" 17 "	E, 700
		2,400							2,400

All of which is nevertheless most humbly submitted to Your Lordship's great wisdom.

Quebec, 19th Feb'y, 1790. HUGH FINLAY, in the Chair.

And the following report thereon by a Committee of the whole Council:—

May it please Your Lordship: The Committee being assembled in obedience to Your Lordship's order of reference of yesterday and having considered the same with the report therein mentioned are humbly of opinion:

That the Land Boards of the several districts being in the best circumstances, and under the strongest motives to make discovery throughout their respective districts how far Your Lordship's benevolent intentions will be practicable under the occupation certificates already issued, especially when they shall be furnished with the schedules that are come in from the Surveyor-General's Office, and with the remarks made by the Land Committee upon such parts of the said schedules as they have hitherto had time to scrutinize;

The Committee therefore advise that a copy of the schedules with the report of the Land Committee, the order of reference and this report be forthwith transmitted by the Clerk of the Council to the Land Boards of the Districts of Luneburg and Mecklenburg, the better to apprize them of the utility of their immediate attention to these concerns by their early communication of the result of their researches and examinations, with their opinion of the best means to correct any errors that may have happened that the government may be enabled to secure to individuals the benefits intended them, and promote the general tranquillity and prosperity of the settlements in the western districts.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

Quebec, 23d February, 1790. WM. SMITH, Chairman.

His Lordship taking the said reports into consideration was pleased, with the advice of the Council to approve thereof, and to order, as it is hereby ordered, that the same be punctually complied with and carried into execution.

And His Lordship is further pleased to order that the same communications which are hereby directed to be made to the Land Boards of the Districts of Luneburg and Mecklenburg shall be made to every board in the Province, excepting the copies of the schedules of location, which it may suffice to transmit to the boards of those districts only, to which they respectively appertain.

Ordered that all petitions of reduced officers for lands under the order of the 22d October, 1788, lodged in the Council Office, upon which no orders have yet been issued, be transmitted to the respective boards of the districts, in which the lands prayed for are situated; and that a list of such petitions be published for the information of all persons concerned.

Monday, 12th April, 1790.

At the Council Chamber in the Castle of St. Lewis.

Present: His Excellency The Right Honourable Lord Dorchester, Governor, The Honourable William Smith, Esq'r., Chief Justice, and The Honourable Hugh Finlay, Henry Caldwell, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Joseph De Longueüil, Adam Mabane, Charles De Lanaudiere, J. G. C. De Lery, René Amable de Boucherville, George Pownall, Picotté De Belestre, Le C'te Dupré, Esquires.

Whereas there was this day read at the board the following report of the Land Committee:

To His Excellency the Right Honourable Guy, Lord Dorchester, etc. May it please Your Excellency: In obedience to Your Lordship's commands, we have considered the matters set forth in Lieutenant-Colonel Gray's letter of the fifth of August last, relative to certain abuses in the settlement of New Johnstown in Cornwall, in the District of Luneburg, and thereon we humbly report:

That by Mr. Duncan's answer to a letter which this Committee wrote to him as Chairman of the Land Office Board of Luneburg (which answer is entered on the journal of our proceedings hereunto annexed) it appears Col. Gray has had satisfaction at law for the trespass of Mr. Empy, of whom he had complained.

Respecting the evils to be apprehended from the monopoly of lots in New Johnstown, the Committee are humbly of opinion that the deviations from the original plan, recommended by the Land Office Board of Luneburg, as stated in the aforementioned letter, would tend greatly to the speedy settlement of the town, for, as it is conceived that the present lots are too small and that the streets which run crossways from corner to corner are of no use, and that the squares contained in each town plot reserved for yard-room behind the lots, would but serve to lay a foundation for future contention among neighbours, it is proposed by the Land Board:

I. That the present town plots of six acres, one rod and twenty perches be divided into six equal parts, containing one acre and ten perches each.

II. That all persons who have at present more or less land in their possession in Johnstown than this quantity shall be reduced or augmented according to that standard, with a reserve, that the improvements shall be paid for before any possessions are relinquished. And this Committee are further of opinion that to invest the Luneburg Land Office Board with power to examine into all

disputed titles and other matters of controversy relative to Johnstown and report their doings thereon to Your Lordship with all convenient speed would put an end to existing disputes and would prevent contests hereafter; and the better to enable the board to perform that business, the Committee humbly conceive a plan of the town on a large scale will be necessary.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 26th Febry, 1790.

JOURNAL

At the weekly meeting of the Land Committee on Friday, 25th September, 1789.

Present: Mr. Finlay, in the Chair; Messrs. Collins, Grant and De Lanaudiere.

Read a letter from Lieut.-Col. James Gray of Cornwall, in the District of Luneburg, dated the 5th of August, and referred to this Committee by His Excellency Lord Dorchester the 17th of that month, to report thereon with all convenient speed.

The letter sets forth that a person of the name of Empey had taken possession of his (Col. Gray's) lots in the Town of Johnstown under pretence of their being part of two acres which His Lordship the Governor-General had permitted him (Empey) to set apart for a burying ground.

The letter states further that as there has not been any particular person appointed to see the regulations respecting the town put in force, the lots have been monopolized by people who have no just claim to them and large inclosures have been made in divers parts of the town without any regard to the streets laid down on the plan.

The Committee questioned Mr. Collins, the Deputy Surveyor-General, upon the matters stated in Lt.-Col Gray's letter; he could not from memory say anything relative to Johnstown, but proposed to look into his papers and inform the Committee at their next meeting of the result of his search.

At the weekly meeting Friday, 2nd Octo'r, 1789.

Present: Messrs. Finlay, Collins, Holland and De Lanaudiere. Mr. Collins informed the Committee that he had found nothing among his papers relative to the distribution of the lots in the Town of Johnstown but that he learnt from Mr. Coffin, Assistant Secretary to Lord Dorchester, who recollects that upon application of some German inhabitants of Johnstown, His Lordship said he had no objection to their having a vacant lot to serve as a burying ground.

Major Holland informed the Committee that, as far as he can recollect, the lots were given out on condition of clearing within twelve months after they were measured off to the persons applying for the same; that they were to be granted to tradesmen in preference to other applicants; and that to clear was to secure a right without any further condition.

Whereupon the Committee directed the chairman to write to the members of the Land Office Board in the District of Luneburg inclosing a copy of Lt.-Col. Gray's letter, and to request information from that board to enable this Committee to report to Lord Dorchester a state of matters relative to the Town of Johnstown.

Friday, 19th Febry, 1790.

At a weekly meeting of the Land Committee.

Present: Mr. Finlay, in the Chair; Messrs. Caldwell and Grant. The Chairman laid before the Committee a letter from Richard Duncan, Esq'r., Chairman of the Land Office Board for the District of Luneburg, dated the 24th of November and received yesterday, in answer to a letter written by direction of this Committee the 2nd of October last upon the representation of Lt.-C. James Gray, relative to the affairs of the Township of Johnstown and referred to this Committee by His Lordship; the letter is in the words following:

Williamsburg, 24th November, 1789.

Sir: I was favor'd with your letters a few days ago together with a copy of Col. Gray's, in answer to which I must beg leave to observe that the evil complained of with respect to himself originated from a dispute that happened between him and one Empey, in consequence of the said Empey having committed a trespass, by burying two children on a town lot belonging to Col. Gray, under pretence of a sanction obtained from Lord Dorchester, for that particular spot being appropriated for the purpose of a burying ground; and since then, this same affair has been investigated in our Court of Common Pleas, and a verdict found with damages in favour of Col. Gray.

With respect to the animosity said to subsist among the inhabitants against the officers, through the influence of Mr. McNiff, or any other person, I am a stranger to it; and should conceive that the magistrates of the district have in their own hands the power of repelling any attempts to interrupt the public tranquillity, as well as the means of punishing the offenders.

With respect to the difficulties in which New Johnstown is involved, I suppose they have originated from the following causes, viz.: There having been no certificates granted to the original settlers or proprietors, nor no plan or arrangement since taken place, to put things on a proper footing, this has occasioned a monopoly in some instances, and of usurped possessions in others, to remedy which and all other evils that at present exist in New Johnstown the board humbly beg leave to subjoin a few remarks which they conceive is all that is necessary at present, if, however, any other information may be wanted in their power to give, on notice thereof, they will be happy to comply with your wishes. I have the honour in the meantime to remain with much regard, Sir, Your most respectful humble Serv't, Richard Duncan, Chairman.

Mr. Finlay.

Remarks on New Johnstown

1st. That certificates for town lots should be granted to every proprietor according to the new model.

2nd. That the Surveyor-General be directed to order Mr. McNiff to return to the surveyor of this district, a certain map of New Johnstown at present in his possession, wherein is marked the original proprietors' names and that Mr. McNiff may also be instructed to send at the same time his own remarks and explanations relative to this map.

3rd. That the present town plots in New Johnstown consists of 6 acres. 1 rod and 20 perches. They are also subdivided into 24 parts, with a reserve in the

centre of 1 acre, 2 rods and 12 perches; that the original distribution of the lots was 5 to a field officer, 3 to a captain, 2 to a subaltern and 1 to a noncommissioned officer and private.

That the following deviations from the original plan is humbly submitted to the consideration of the Committee:

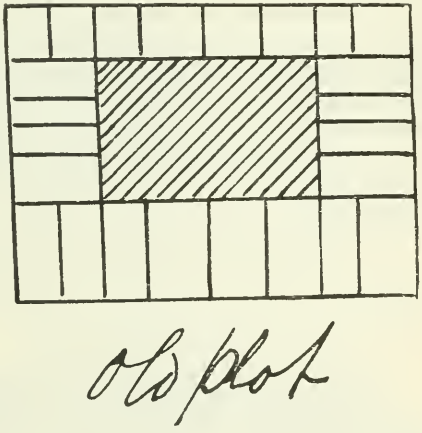
1st. That the present plots as above described be now subdivided into six equal parts, containing 1 acre and 10 perches each.

2nd. That all persons who have at present more or less land in possession than this quantity shall be reduced or augmented, according to that standard, with a reserve that improvements shall be paid for, before any possessions are relinquished.

3rd. That it is conceived the present lots are upon too small a scale, that the oblique streets are of no use and that the squares contained in each town plot would only tend to lay the foundation for future contention among neighbours.

That if it should be thought necessary to make a new arrangement of the town, it may be expedient to invest the board with power to examine into the merits of all disputed titles and other controversial matters, relative to the town, to be furnished with a map for this purpose, upon a large scale, and to make a report of their proceedings to the Governor-in-Council. One plot of the old and another of the new proposed plan is hereunto subjoined, with a reference to Mr. Chewit for further explanation and particulars.

RICHARD DUNCAN, Chairman.



The Committee being referred to Mr. Chewit, Deputy Surveyor of the District of Luneburg, at present in Quebec, the Chairman was directed to desire Mr. Chewit to attend the board next Friday at 10 o'clock.

Friday, 26th February, 1790.

At the weekly meeting; present: Messrs. Finlay, Collins and Caldwell. Mr. Chewit attended the board and having read Mr. Duncan's letter, he laid before the Committee the original plan of Johnstown, pointing out the inconveniences attending it, as stated in Mr. Duncan's letter.

The Committee do not find that certificates of location have been issued to the settlers in Johnstown. It appears by the plan exhibited by Mr. Chewit that large tracts are fenced round in the heart of the town and the streets are included in those inclosures.

Joel Stone has about 40 acres; Jacob Rambourg, 9 acres; Mr. T. Swan, 12 acres; Rev'd Mr. Brian, 3 acres; Mrs. Bruce, 12 acres; Messrs. McDonells, 12 acres; Jos. and the heirs of Dan Robertson, 5 acres. Lt.-Colo. Gray has part of Point Maligne originally intended for a common for the use of the town. He claims of that point 40 acres.

Taken from the Minutes.

HUGH FINLAY, in the Chair.

His Lordship, taking the said report into consideration, was pleased, with the advice of the Council, to order, as it is hereby ordered, that the Land Office Board for the District of Luneburg cause the town plot of the said Town of Cornwall, formerly New Johnstown, to be laid out and subdivided in the manner suggested by the board and recommended by the Land Committee and, as nearly as may be, according to the tenor of the Additional Rules and Regulations for the Conduct of the Land Office Department of the 25th of August, 1789, granting certificates of occupation therein for town lots of one acre, more or less, to all such as they may find entitled thereto, and who may now claim or possess therein less than that quantity, making full investigation into the grounds of all claims and pretensions to more than the said quantity of one acre, and reporting thereon for the decision of the Governor-in-Council. And the Surveyor-General's Office is to take course for furnishing the board with a map of the said town for that purpose, upon a large scale, as also with the map stated to be in the possession of Mr. McNiff whereon are marked the names of the original proprietors, with his own remarks and explanations, if the same can be had. Of which all persons concerned are to take notice and govern themselves accordingly.

Ordered by His Lordship, with the advice of the Council, that Malcolm McMartin, Esq'r., be a member of the Land Office Board for the District of Luneburg.

Monday, 17th May, 1790.

At the Castle of Saint Lewis.

Present: His Excellency The Right Honourable Lord Dorchester, Governor; The Honourable William Smith, Esq'r, Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Chas. De Lanaudiere, J. G. C. Delery, Le C'te Dupré, Esquires.

His Lordship was pleased to take into consideration a proposal from the Surveyor-General's Office of surveys to be made in the course of the ensuing summer, a journal or report of the Land Committee thereon, and an estimate of the expense for carrying the services recommended by the Land Committee into execution.

Ordered by His Lordship with the advice of the Council.

1. That a Deputy Surveyor and ten men be employed to trace a highway from the Township of Cornwall in the District of Luneburg to Kingston in the District of Mecklenburg.

2. That the Land Board of Luneburg employ the Deputy Surveyor of their district with ten men for ascertaining the quantities of land in the Township of Lancaster under double certificates to loyalists of that township, and the emigrants from Scotland, marking the line of division between them, and satisfying the latter out of the waste lands of the Crown on the northern side of their present locations, at such time as may best fall in with their geneal arrangement of the summer's business of their district.

3. That the Land Boards of Luneburg and Mecklenburg concert the proper mode for running the division line between their respective districts as far as the shore of the Ottawa River, jointly by the surveyors of both districts, or either of them, under such instructions and at such time, during the present or the ensuing season, as the general arrangement of the business of their district may admit.

4. That the Land Board of Mecklenburg employ the Deputy Surveyor of their district with ten men to survey and mark the front lines of four townships, one on a lake adjoining the Township of Camden, one on the north of Kingston, and two in the intermediate space between the above-mentioned, and to carry the side lines of each township back one mile, well marked, at such time as may best fall in with their general arrangement of the summer's business of their district.

5. That the Land Board of Nassau employ the surveyor of their district, with ten men to survey and mark the front lines of townships from the eastern boundary of their district to Toronto and to carry the side lines of each township back one mile, well marked, at such time as may best fall in with their general arrangement of the summer's business of their district, and if other more necessary work will admit of it.

And it is hereby further ordered that the Surveyor-General's Office take course to give full and particular instructions to the different Deputy-Surveyors, to be employed in these services, directing them to keep journals as well as field books, minuting whatever is observable for its singularity and value towards the public utility, as water-falls, minerals, quarries, springs, timber, &c., and shewing the disposition of the time they shall be out, premonishing them, that it is expected they will be able to answer questions upon oath, if called upon, and that they will be held responsible for the due execution of their trust.

Ordered also that the different papers first afore-mentioned to be now taken into consideration be put upon the files for future resort thereto, as the case may require.

Read the following report and journal of the Land Committee, viz.:

To His Excellency The Right Honourable Guy, Lord Dorchester, etc.

The annexed journal containing the proceedings of the Land Committee on Your Excellency's reference of two petitions from certain inhabitants of Chaleurs Bay, pretending a right to certain meadows on the banks of the Ristigouche River, which are comprehended in a tract that has been surveyed.

The report of the Land Committee: Messieurs Finlay, Collins, Caldwell, Grant and De Lanaudiere, on the report of the Land Office Board at Montreal, relative to locations made upon the south side of the Outawais River by Mr. Rankin, Deputy Surveyor for the District of Montreal, in conformity to certificates from the board there, referred to this Committee the 27th of February last.

May it please Your Lordship: In obedience to Your Excellency's order of reference, the Committee have duly considered the report of the Land Office Board at Montreal of the 20th of February and are humbly of opinion that the authority of that board does not extend beyond the limits of the District of

Montreal, in which no part of Mr. Rankin's late survey on the Outawais River is comprehended, and that the whole of that survey lies within the District of Luneburg, from whence only, in compliance with the Rules and Regulations for the Conduct of the Land Office Department, certificates of location can regularly issue; which is nevertheless humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 4th May, 1790.

Ordered by His Excellency with the advice of the Council that a copy of this entry be communicated to the Land Board for the District of Montreal, and another to the Land Board for the District of Luneburg for their information and guidance.

His Excellency was pleased to take into consideration a petition of Thomas and Terence Smyth, also a petition of Joseph White, transmitted by the Land Board for the District of Luneburg, both praying for a grant of Grenadier Island.

Ordered by His Excellency with the advice of the Council that the Land Board for the District of Luneburg be informed that no further grants of islands are to take place for the present, and if the petitioners shall think themselves warranted under any former orders or regulations to bring forward any further applications for grants of land in another part of the district, the board may receive the same and report thereon agreeable to their general instructions.

Mr. Collins from the Surveyor-General's Office produced various maps pursuant to the order of the 22nd of February last; the work being not yet completed.

Ordered by His Lordship with the advice of the Council that the Surveyor-General's Office make a monthly report of the work to the Land Committee and the impediments, if any there are, that attend it, and that the Land Committee make a monthly report thereon to His Lordship.

Wednesday, 21st July, 1790.

Present: His Excellency The Right Honourable Lord Dorchester, Governor, The Honourable William Smith, Exq'r., Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, J. G. C. Delery and Chas. De Lanaudiere, Esquires.

Read a report of the Land Committee dated the 15th of May last on the case of Messrs. Lorimier, which is referred by His Lordship to a Committee of the whole Council.

Read the report of the Land Committee dated the 23rd of June last, on a letter from the chairman of the Board for Luneburg, which is referred by His Lordship to a Committee of the whole Council.

Read the report of the Land Committtee of the 24th of June last:

Journal and report of the Land Committee (consisting of Messrs. Finlay, Collins, Caldwell, Grant and De Lanaudiere) on the applications for grants of the waste lands of the Crown.

May it please Your Lordship: In obedience to Your Excellency's commands, the Committee, with as much despatch as their other public avocations would permit, have at sundry meetings examined the several memorials, petitions,

letters and papers referred to them, and they humbly crave leave to refer Your Lordship to their journals annexed hereto, stating their opinion on the different matters referred to them by Your Lordship.

All which is nevertheless most humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 24th June, 1790.

Journal of the Land Committee, Friday, 7th May, 1790, when there were present Messrs. Finlay, Collins, Grant and De Lanaudiere.

Read a memorial from Capt. Malcolm Fraser of the late 84th Regiment, in behalf of himself and certain officers of that corps, setting forth that Mr. McNiff, a Deputy Surveyor, had made a mistake in laying off parcel of the waste lands of the Crown for the petitioners, so that part of Lieut. McDougal's lot falls two acres in front within Mr. Panet's seigniory, and praying that a new survey may be ordered to prevent future difficulties and disputes.

The Committee on this memorial observed that, as the boundary lines of Mr. Panet's seigniory are known, this matter may be adjusted by the parties without expense to the Crown. An order may be sent from the Surveyor-General's Office to the Deputy Surveyor of the District of Luneburg, or any other sworn surveyor, to lay off as much land for Lieutenant McDougal at the back of his lots as may be wanting of his complement through the mistake made by Mr. McNiff.

Read a letter from the chairman of the Land Office Board of Luneburg, dated the 1st of February last, inclosing petitions from applicants for lands in that district, in greater proportions than the board is authorized to grant under the Rules and Regulations for the Conduct of the Land Office Department.

The petitioners names are Duncan Campbell for 300 acres, Joseph Seily, 400 acres; James Grant, 500 acres; Lemuel Caswell, 200 acres; Mathew Howard, 300 acres, and Francis Thiery, 500 acres.

From the recommendations noted at the foot of each petition by the Board of Luneburg, this Committee humbly think that the prayer of each of the applicants above named may be granted; but the Committee observe that as no place of location is mentioned it must be left to the judgment of the Board of Luneburg, to point out the scites, unless the 14th article of the Rules and Regulations of the 17th of February by which the Committee of Council for reporting on petitions for lands are directed to lay aside all such as contain no specific quantity or location of lands desired, renders it necessary to return them to the Board of Luneburg to be amended and sent back to Quebec in the form prescribed.

Jehiel Herd's petition for 200 acres was next read; his pretensions are founded on his father's loyalty who, as he states, was persecuted on account of his attachment to the British Government, thrown into Esopus jail and there died. If the board give credit to this statement, and the petitioner appears to them to be otherwise worthy, this Committee humbly advise that Herd's petition may be granted.

Ephraim Jones prays for 100 acres, part of a common in the Township of Augusta, contiguous to his improvements there. The Committee are of opinion that no part of a common ought to be granted to an individual, therefore Jones's application should not be complied with.

Oliver Evarts prays for a subaltern's portion of lands, having served last war; but as he does not state the quality in which he served, nor the place where he desires to have lands, and as the Board at Luneburg has made no remark in his favour, this Committee cannot recommend the prayer of his petition.

Susanna Johns, the widow of Lieut. Solomon Johns, praying for an additional quantity of lands, as many acres as her husband would have been entitled to had he lived. The Deputy Surveyor-General upon this petition informs the Committee that Lieut. Johns was of Major Rogers' Corps, and had received 500 acres as a subaltern, and 280 acres as family lands, and he gives it as his opinion that Mr. Johns (had he lived) would on application have been entitled to receive as much more as he was short of 2,000 acres to put him on a footing with the Lieutenants of the 84th Regiment, seeing he had improved the lots he had already received, Mr. Collins conceiving that it was His Excellency Lord Dorchester's intention by His Order-in-Council to extend the King's bounty to the officers of every American corps that had served last war.

The Committee looked into the order alluded to of the 22d October, 1788, but they do not find that it comprehends any officers but those of Sir John Johnson's Corps and Colonel Butler's, but they are of opinion that if Lieut. Johns would have been entitled to 2,000 on application, the widow and children of that officer should obtain an addition of 1,300 acres, as prayed for. Adjourned until next Friday.

Friday, 14th May, 1790.

Present: Messrs. Finlay, Collins and Caldwell.

Resumed the consideration of the petitions transmitted to His Excellency Lord Dorchester by the Land Office Board at Luneburg and referred to this Committee by His Lordship.

Benjamin Anderson, late of the Province of New York, sets forth in his petition that being employed by Lt.-Colo. Upham he had raised a number of men to serve in his corps last war, and on his procuring 32 men his reward was to have been a captain's commission in that corps; on its being annexed to the King's Dragoons he was deprived of the benefit he expected; he therefore prays for a captain's proportion of land the same as has been allowed to captains of corps reduced in this Province. Accompanying the petition are papers exhibited as copies of a letter from Major Upham impowering the petitioner to raise men and a certificate that he had raised men for his corps. If the Land Office Board had been satisfied with the petitioner's statement, this Committee think the board would have been justifiable in recommending Benjamin Anderson for a grant of 500 acres. (Mr. Grant joins the Committee.)

The petition of Richard Wilkinson was next read, stating that he has a half of Lot No. 20 in the Second Concession in Charlottenburg, and praying for the other half which had been drawn for by a John Griffin who has absconded. On examining the schedule of locations in that township, the Committee find that John McDonnel, not John Griffin, drew the other half of the Lot No. 20, therefore Richard Wilkinson's petition cannot be granted.

A remark made at the foot of the petition by the Land Office Board of Luneburg drew the attention of the Committee; it is in these words:

"Many who have obtained certificates of location in Charlottenburg have gone off and others it is supposed have renounced their allegiance to their King by taking a fresh oath to the States."

And the board submits whether an additional instruction may not be sent to the boards, to govern their conduct with respect to such cases.

On full consideration of this matter, the Committee conclude that the certificates of location bearing that those persons who have drawn lots, and have not made improvements thereon within 12 months from the date of the certificate, have no claim upon government for a patent, grant or deed of concession for the same.

Mr. Collins moves to resolve "that it is the opinion of this Committee that all persons who may have absented themselves from the Province for more than 12 months leaving their locations unimproved should by public advertisement have two years allowed them to come in to improve their lands, and make settlement according to the tenor of the certificates they may have obtained, otherwise such lands will revert to the Crown." Debates arose, and the question being put, the voices stood: For the motion, Mr. Collins; against it, Mr. Grant. The chairman's voice decided the question against the motion. Mr. Grant then moved that the certificates of location must give the rule to guide the respective Land Boards, when it appears evident or in proof that the conditions have not been complied with the Land Boards may issue new certificates to other claimants.

Debates, and the question: "Whether the Committee agree to Mr. Grant's motion," being put, Mr. Grant was for it, Mr. Collins against it. Decided in the negative by the voice of the chairman who observed, "That altho' it might be well to give authority to the Land Boards to grant new certificates of location for lands deserted by the first occupants who may have withdrawn to the States, there to remain, yet a general rule to regrant the unimproved lands of absentees might affect persons out of the Province on their lawful affairs, who fully intend to return to settle their lots; he submits therefore whether the proposal from the board at Luneburg, as a matter of great concernment to those who have obtained certificates of location, and who are necessarily absent from the Province, will not come more properly before a Committee of the whole Council by His Excellency's reference, or be settled in Council by His Lordship on this Committee's Report.

Alexander Campbell: The petition of Alexander Campbell was next read. On the face of the petition it would appear that he had been dispossess'd of lands upon Lake St. Francis, and that he had not received any in lieu of them; but the Committee are informed by the certificate at the bottom of the petition that he has had a thousand acres elsewhere. The Land Board at Luneburg report Mr. Campbell as a deserving loyalist, the Committee are therefore of opinion that if the Board have conceived that he merits an extension of the King's bounty in lands it will be requisite that they recommend him for a certain quantity, noting the place of location.

David Peat: David Peat in his petition represents that he met with losses in the States during the late rebellion, in consequence of his loyalty to the King, and stating that he had exhibited certificates to the board at Luneburg but as the board have not made any remark on the petition touching the memorialist's merit, the Committee cannot recommend him for more than a common location, and that only in case the board at Luneburg is satisfied touching his loyalty.

Richard Van Arnam: Richard Van Arnam's petition was next read, stating that his father died an Ensign in Captain McKay's Corps, and he prays for 500 acres of land which he conceives his father was entitled to as a Subaltern who had served in the last war. If the board at Luneburg is satisfied with proofs of what the petitioner advances and of his merit otherwise, the Committee would recommend the prayer of his petition.*

*See O. C. 5 Aug't, 1809 on Pet'n of John Van Arnam page 188 Land Book H.

Mecklenburg: Read a letter from the Land Office Board at Mecklenburg touching certain grounds intended for a naval yard near Kingston.

The chairman was directed to request Capt. Mann to give his attendance at the Council Chamber in the Bishop's Palace on Friday next, as they are on that day to take into their consideration his Report to His Excellency Lord Dorchester, touching works of defence at Point Frederic near Kingston, and they will then pray information from him.

Quinchin: Read a letter from Major James Gray relative to a projected road from Quinchin to Kingston. Mr. Collins observed that in order to be able to report clearly on this reference it will be necessary for the Committee to examine Mr. Penoyer, the Surveyor's plan, Mr. Collins is therefore directed to lay the plan before the Committee next Friday. Adjourned.

The Land Committee met on Friday, 21st May, 1790. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant, Mr. De Lanaudiere.

Mecklenburg: Took up the consideration of the letter written by the Land Office Board at Mecklenburg on the 8th of February last to the Right Honourable Lord Dorchester, and by His Excellency referred to this Committee on the 24th of March, touching the disposition of certain grounds for a naval yard and works of defence at Point Frederic near Kingston.

The business of the Legislative Council and references more pressing for report so fully occupied the members of this Committee that they could not take up this business sooner.

Captain Mann, commanding the Engineers' Department, attending, the letter referred to this Committee touching works at Point Frederic was read in his presence; it contains observations relative to the ground round Point Frederic near Kingston, in the District of Mecklenburg, as a proper situation for a Navy Yard and lots on which to erect habitations for persons employed there in the Naval Department. The letter was accompanied with two plans of surveys descriptive of the grounds, which were laid before the Commanding Engineer, Capt. Mann, and Mr. Collins, the Deputy Surveyor-General, by the Committee.

Capt. Mann observed that the plan marked No. 3 is a copy of his original survey made at a time when he had no information that any land had been granted so far southward as appears to be the case by the plan No. 2, furnished by the Land Office Board at Mecklenburg, or that lands had been granted in the Township of Pitsburg so near Kingston. A grant made there to Archibald McDonell, Esq., of 700 acres beginning at a point two miles eastward of Cataracoui River interferes very essentially with the plan of reservations for the Crown, though not so much as a grant that has been made to Mr. Cartwright lying within 1,200 yards of the point.

If the works should not reach Mr. Cartwright's tract, they will nevertheless approach it so near as may be of future inconvenience to Government, in the opinion of Capt. Mann; and he further observed that the grant made to Mr. McDonell materially reduces the land intended for the purposes of furnishing timber and firewood.

The Committee observe on the information given by Captain Mann, that as the faith of Government has been pledged to Mr. Cartwright and to Mr. McDonell (as appears by the letter referred to this Committee), if any part of the lands so granted or located shall be found necessary for completing the intended arrangements at Point Frederic, it will be requisite to obtain a cession from the present possessors.

The Committee agree with the Land Office Board of Mecklenburg touching the proper scite of the lots destined for the accommodation of the naval officers, and that to render them convenient they may be enlarged to half an acre at least, seeing the area marked C upon the plan No. 2 may be extended as Capt. Mann has recommended towards Mr. Carteret's boundary but not towards the dock-yard; and the Committee are fully of opinion with the Commanding Engineer that no private building should be suffered between the area set apart for building lots for the officers employed about the navy yard and the battery intended to be erected on Point Frederic; the propriety of which arrangements will more fully appear by having a reference to the plans No. 2 and 3 already mentioned and now ordered to be annexed to these minutes.

Road from Quinchin to the Long Sault: The Committee next proceeded to consider Col. James Gray's letter dated the 29th day of November, referred to this Committee, relative to a high road from Quinchin to the Long Sault in the District of Luneburg.

Mr. Pennoyer's survey was laid upon the table by Mr. Collins, the Deputy Surveyor-General, by which it appears that between the River Bodet and Quinchin there lies a very extensive swamp, and it further appears by Mr. Surveyor Penoyer's Field Book, produced by Mr. Collins, that a line had been run in as straight a course as the nature of the country would permit, extending from the line which separates Mr. De Longueuil's seigniory from Lancaster to the Ottawais River, at a place ten miles above Quinchin and found the distance to be 24 miles through cedar and spruce swamps in low, sunken ground.

Mr. Gray in his letter states that there is no other way for an advantageous communication but by opening one in a straight course from the River Bodet to Quinchin, but allowing that a dry ridge may be found leading through that direction (which is, however, supposed not to exist), that tract being all under French grants, the Committee knew of no legal mode to compel Canadian land holders to open any roads but such as are for their immediate use and benefit, therefore unless the new settlers in Lancaster, in Charlottenburg and in Cornwall, who are to be benefited by that road, will undertake to open it and keep it in repair until it shall be settled under grants from the seigneurs to whom the land belongs, they must remain without the road prayed for unless it may please Government to be at the expense of opening the projected road for the benefit of new settlers, who are but little able to perform so heavy a work at present.

The Committee perceive by the plan that a road may be run down along the western boundary of Mr. De Longueuil's seigniory from the place where the projected road intersects that boundary to Pointe au Bodet on Lake St. Francis, a distance of about six miles from whence a road leads to Quinchin. These six miles, however, as the law stands, must be made and kept in repair by Corvée of the people who apply for it, or who from it may reap benefit.

Joseph Dejarlais: Read the memorial of Joseph Dejarlais, praying that part of the lot No. 3, which he drew in the tract surveyed at Lake St. Francis (Lower Canada) for the Canadian Corps who had served at St. Johns and Bennington, which proves to be swampy and uninhabitable, may be changed for an equal quantity (100 acres) in lot No. 37, or for a half of lot No. 53 in the first concession, or 34, 35 or a half of No. 36 in the second concession.

The Committee recommend that lot No. 53, which contains 100 acres in the second concession, may be granted to the memorialist, Joseph Dejarlais, in lieu of a half of the bad lot No. 3 which he drew, No. 35 by the plan appearing to be vacant.

C. Thomas: Mr. C. Thomas's memorial of the 17th of March was next considered by the Committee. In 1788 Mr. Thomas petitioned for 500 acres of land on the side of the Ottawa River, opposite to the lands laid off for the 84th Regiment, on the nearest unconceded lands thereto. On that petition and on the report of this Committee thereon, Mr. Thomas obtained His Excellency Lord Dorchester's Order-in-Council of the 29th of December, 1788, for lands in the place described, but he now states that he has understood that the tract assigned to him by His Excellency's Order-in-Council has been located by some person under a certificate from the Land Office Board of Montreal. The Committee conceiving that Mr. Thomas has a preference to the lands he first petitioned for cannot recommend him for a grant of Lot No. 37 on Lake St. Francis in lieu of lands which are not as he imagines taken out of his hands. Lot No. 37 has been applied for by Mr. De Boucherville, in lieu of a bad lot which he drew, and the Committee have recommended that the prayer of his petition may be granted.

Resolved, that the chairman, with all convenient speed, present to His Excellency Lord Dorchester a fair copy of the minutes from the 7th to the 21st day of May, both days inclusive, as expressing the opinion of this Committee with several matters therein mentioned.

HUGH FINLAY, in the Chair.

His Lordship caused the Order of the 22d October, 1788, alluded to in the foregoing report to be read, and the same appearing to require explanation, it was declared by His Lordship, with the concurrence of the Council, that the benefits intended by the said Order are to extend to all reduced officers, without distinction of corps, who being entitled to lands as such under the King's Instructions of 1783, had actually obtained and improved the same, previous to the aforementioned Order of the 22d October, 1788.

Joseph Dejarlais: Ordered by His Lordship with the advice of the Council, that the Surveyor-General issue a certificate of occupation in the usual form to Joseph Dejarlais for the lot No. 35 containing one hundred acres in the second concession of the Canadian settlement on the Lake St. Francis in lieu of the half of No. 3, cancelling the certificate issued for the same, making it vacant.

Ordered also by His Lordship, with the advice of the board, that the remainder of the matters contained in the foregoing report be referred to a Committee of the whole Council.

Land Committee's Report: Whereas there was this day read at the board the following report of the Land Committee of the 28th of June last, viz.: To His Excellency The Right Honourable Lord Dorchester, etc.:

The Journal and Report of the Land Committee, consisting of Messrs. Finlay, Collins and Grant, on sundry petitions for grants of the waste lands of the Crown.

May it please Your Lordship: The Committee having considered several petitions for grants of waste lands appertaining to the Crown, referred to them by Your Excellency, now take the liberty to annex hereunto for Your Excellency's information the journal of their proceedings containing their opinion on such of the applications as they have been able to take into their consideration, which is most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 28th June, 1790.

JOURNAL

At the weekly meeting of the Land Committee on Friday, the 25th June, 1790, there being present Messrs. Finlay, Collins and Grant.

John Cook and Nicholas Rausch: Read the petition of John Cook and Nicholas Rausch of the Town of Livingston in the State of New York, dated the 26th of January last, setting forth that two hundred and fifty families, their associates (who had all suffered on account of their loyalty to His Majesty during the late war), humbly conceiving that it is the intention of His Excellency The Right Honourable Lord Dorchester to grant them some compensation for their sufferings, they now repeat the prayer which (they say) they made to His Lordship in the year 1783 whilst he was Commander-in-Chief at New York, viz.: for a grant of a tract of land lying and being on the northwest side of Lake Memphramagog (Lower Canada), beginning on the northwest side of the outlet known by the name of the river ——— thence running northerly down the west side of the said river, so far as to contain in a square piece the quantity of acres that may be allowed for the said 250 families, and the petitioners likewise state that they will settle the same as soon as it may please His Lordship to grant it to them, under such restrictions as he in his wisdom shall see fit.

The Committee observe that there is no kind of proof exhibited with this petition that the 250 families therein mentioned have authorized Messrs. Cook and Rausch to apply for lands in this Province in their behalf, nor does it appear by anything before the Committee that the petitioners have suffered on account of their attachment to the British Government and adherence to their loyalty; but granting that the petitioners have been commissioned by a number of people of known loyalty to apply in their behalf for lands here, the situation they have pointed out cannot, under His Majesty's Instructions, be granted to any persons; and further, supposing it may please His Majesty to permit grants to be made of the waste lands of the Crown, near the line which separates this Province from Vermont on the east side of Lake Champlain, the tract the petitioners have applied for is covered by prior applications; yet as the acquisition of numbers of industrious settlers well affected to the King's Government would add to the strength and increase the wealth of the Province, it is the opinion of this Committee that encouragement should be given to the petitioners and their associates by assuring them that upon application lands will be assigned to them in any of the districts above Montreal on their satisfying the respective Land Office Boards of the safety and propriety of admitting them to become inhabitants of this Province.

Capt. Rich'd Duncan, Capt. A. McDonell, Capt. John Munro, Lieut. Hugh Munro: Read the joint petition of Capt. Richard Duncan, Capt. A. McDonell, Capt. John Munro and Lieut. Hugh Munro, late of the Royal Regiment of New York, for lands in the rear of the Townships of Williamsburg and Matilda on each side of the river called Petite Nation, in such proportion as will put them on a footing with the officers of the same rank of the late 84th Regiment.

The Committee observe that there is no township laid out where the petitioners have made application for their additional lands, but as soon as it may please His Excellency to order the waste lands of the Crown lying on the river Petite Nation to be set off in townships and divided into lots, they perceive no reason why the prayer of the petitioner may not be granted.

Lieut. W. Coffin: Read the petition of Lieut. William Coffin of the 1st. Battalion of the Royal New Yorkers, praying for an additional quantity of land to put him on a footing with the Lieutenants of the late 84th Regt., to be laid off on the Island of Mille Roches, at the foot of the Long Sault in the Township of Cornwall and District of Luneburg, and recommended by the Land Office Board of that District.

The Committee having understood that His Excellency Lord Dorchester does not see it fit to grant islands in the Great River reported on the petition of Joseph White, who had applied in 1788 for a grant of Grenadier Island, that as islands were reserved his petition would not be granted, and as the same arrangement remains unaltered, the Committee cannot concur with the Land Office Board of Luneburg in recommending the prayer of Mr. Coffin's petition.

Hesse: Read a letter written by John Collins, Esq., the Deputy Surveyor-General, to Mr. Secretary Motz of the 18th instant referred to this Committee by His Lordship together with two papers mentioned in the letter which states that in consequence of the request of the Land Office Board for the District of Hesse, communicated to him relative to grants of lands made there, he had sent to Mr. Motz all the knowledge he had been able to obtain touching grants of lands made in that district, being simply an extract from the French Register of Grants made en roture at Detroit previous to the Conquest of Canada, without distinguishing which may be on the east, or which upon the west side of the Strait or River, together with a paper dated at Detroit the 1st of October, 1787, and thus headed: "List of disbanded troops and loyalists to be settled on the north side of Lake Erie from a creek four miles from the mouth of the River Detroit to a small creek about a mile and a half beyond Cedar River."

The day being far spent the Committee adjourned until Monday next at 10 o'clock.

At a special meeting of the Land Committee on Monday, 28th June, 1790. Present: Messrs. Finlay, Collins and Grant.

Resumed the consideration of the papers delivered to Mr. Motz by Mr. Collins containing all the information he had been able to collect relative to grants of lands made in the District of Hesse:

The Committee do not perceive that the first paper, which is a list of roture concessions or grants made under the French Government, nor the second paper, Major Mathews's list of grants to be made at Detroit, can convey to the Land Office Board of Hesse any satisfactory information or guide them to the discovery of the situations of the occupancies of the settlers in that district; nor will that board be enabled to grant location certificates in the mode prescribed by His Excellency Lord Dorchester's Instructions for the Conduct of the Land Office Department until the board can be furnished with surveys of the parts settled, laid out into regular townships, and every occupant's lot laid down thereon; and the Committee humbly would submit whether it might not be expedient to transmit to the Land Office Board of Hesse a survey from the eastern boundary of the district at Long Point, following the coast off Lake Erie, up the east bank of the Detroit River, following the eastern shore of Lake St. Clair all the way to the entrance of Lake Huron.

Mr. Collins informs the Committee that the tract on which the disbanded troops and loyalists were to be settled was (as he has been told by Major Mathews) surveyed by Mr. Thomas Smith, now Clerk of the Court for the District of Hesse, of whom more ample information may be had by the Board relative to that settlement. (Signed) Hugh Finlay, in the Chair.

His Lordship taking the said report into consideration was pleased, with the advice of the Council, to order, as it is hereby ordered, that a copy of the proceedings of the Land Committee of the 25th and 28th of June relative to a letter of the 18th of the same month from the Deputy Surveyor-General respecting the District of Hesse and the original papers therein referred to, be transmitted to the Land Board of the District of Hesse for their information, apprizing them that no survey of their district can be sent from hence, none being in the possession of the Surveyor-General's Office.

Ordered also by His Lordship with the advice of the board, that the remainder of the matters contained in the foregoing report be referred to a Committee of the whole Council.

Maps and Plans: Read the report of the Land Committee of the 9th of July, 1790, in the following words, viz.:

To His Excellency The Right Honourable Lord Dorchester, Governor-General of the Provinces of Quebec, &c.

Report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) on His Lordship's reference in Council of the 17th of May:

May it please Your Excellency: In obedience to Your Lordship's order of reference in Council of the 17th of May, as follows: Mr. Collins from the Surveyor-General's Office produced various maps pursuant to the order of the 22nd of Feb'y last, the work being not completed,

Ordered by His Lordship, with the advice of the Council, that the Surveyor-General's Office make a monthly report of the work to the Land Committee, and the impediments, if any there are, that attend it; and that the Land Committee make a monthly report thereon to His Lordship.

The Committee, on information from the Surveyor-General's Office that sundry maps were ready for their inspection, appointed this day for examining the same; the first produced was part of the general plan of the Province upon a scale of six miles to an inch, comprehending the settlements between Bic and the western extremity of Lake Erie, upon which are laid down seigneuries granted under French Government, as well upon the north as upon the south side of the River St. Lawrence as high up as Point Bodet, the easterly boundary of the District of Luneburg.

On the same plan is laid down the townships in the new districts, as well on the River St. Lawrence all the way to the entrance of Lake Ontario, as on the north side of that Lake as far as the head of the Bay of Quinté, comprehending likewise the Township of Toronto with all the townships west of Niagara to the head of Lake Ontario, and also the townships on each side of the Ottawa River, as high as the mouth of the River Rideau. There was next produced a rough draft of part of the general plan, comprehending both shores of the River St. Lawrence from Bic down on the south side to Cape Rosier, and from thence extending to the Bays of Gaspey and Chaleurs; up the River Richtigouche at the head of Chaleur Bay to the source of that river, and from thence down the River Verte to its junction with St. John's River in New Brunswick. And, on the north side of the St. Lawrence extending from opposite to Bic as aforesaid to Mecatina, including the Island of Anticosti, and the islands in the Gulph of St. Lawrence, with part of Newfoundland and Cape Breton.

The plan of the District of Nassau was next laid before the Committee, on a scale of two miles to an inch, but incomplete from the want of an actual survey of the north shore of Lake Erie all the way from Fort Erie to Long Point, but it will be filled up from sketches. The Deputy Surveyor-General informed the Committee that the office being in possession of sketches only, of the District of

Hesse, no plan has been prepared therefrom, because were it to be laid down by the general scale, it would occupy too great a space, therefore the Surveyor-General's Office propose that it should be laid down by a scale of six miles to an inch, to bring it into a moderate size.

Plans of the Districts of Mecklenburg and Luneburg were next exhibited, with the townships in each, thereon respectively laid down, all the plans of the separate districts are ready to be laid before His Excellency as soon as they can be pasted upon linen for their better preservation. And lastly were laid before the Committee plans of each of the districts in the old settled parts of the Province, viz., Quebec, Montreal, Three Rivers and Gaspé, with a number of seigneuries laid down in each which last plans as the Surveyor-General's Office informed the Committee, will be ready to be laid before His Excellency Lord Dorchester as soon as the Committee appointed by His Lordship in Council of the 22d of February last, charged to furnish a list of all the parishes in the Provinces (with the seigneuries and other grants held of the Crown comprehended in each, together with the extent of every respective parish) shall have reported the same, to enable the Surveyor-General's Office to lay them correctly down on the General Plan, and on the plan of each particular district in which such parishes may lie.

The Deputy Surveyor-General reports to this Committee that the office requires an assistant draftsman to expedite the work in hand, seeing that copies are wanted for transmission to the Secretary of State's Office. All which is most humbly submitted to His Lordship. Signed by order of the Committee,

HUGH FINLAY, Chairman.

Council Chamber, Bishop's Palace,
Quebec, 9th July, 1790.

Read the Report of the Land Committee of the 15th of July, 1790. Referred by His Lordship to a Committee of the whole Council.

Read a letter from the Land Board for the District of Mecklenburg, dated 30th June, 1790, to Mr. Secretary Motz, with two inclosures. Referred by His Lordship to a Committee of the whole Council.

Read the report of the Land Committee of the 20th of July, 1790. Referred by His Lordship to a Committee of the whole Council.

[LAND BOOK B]

Wednesday, the 25th of August, 1790

At the Council Chamber in the Bishop's Palace. Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edw'd Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Charles De Lanaudiere, J. G. C. Delery, Le Comte Dupré, Esquires.

Messrs. Lorimier: Whereas there were this day read at the board the following reports:

(1) Report of a Committee of the whole Council, viz., The Chief Justice and Messrs. Harrison, Collins, Delery, Pownall, Grant, Baby and Dupré, on a report of the Land Committee respecting the case of Messrs. Lorimier.

May it please Your Lordship: The Committee being assembled in obedience to Your Lordship's order and having read the report of the Land Committee, and heard Mr. Collins, the Deputy Surveyor-General, on sundry questions proposed to him, are humbly of opinion that the Royal Patent to be issued to the Messrs. Lorimier may contain the tract or tracts described in pencil lines on the map annexed to the report of the Land Committee by order of this Committee, and that the Surveyor-General may be directed to make a return of survey into the Council Office for that purpose. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

(Sgd.) Wm. Smith, Chairman.

Quebec, 20th Aug., 1790.

(2) Report and Journal of the Land Committee, Messrs. Finlay, Collins, Caldwell, Grant and De Lanaudiere, on His Lordship's reference of the memorial of Mr. Chevalier Lorimier, in behalf of himself and his brother.

May it please Your Excellency: In due obedience to Your Lordship's commands, this Committee did, at several meetings, consider the memorial of Mr. Chevalier Lorimier, of the 8th of last April, relative to a thousand acres of land of which his brother, Guillaume, and he had taken possession in the Township of Edwardsburg, in the District of Luneburg, part of a tract lately ceded by certain Indians to the Crown, stating that they now understand that they will not be able to obtain a grant of the same, seeing that the scite of their improvements interferes with certain reserves in the environs of a Town now laid out there, and they pray for compensation for a house they have built and for the clearings they have made around it, as they were led to make those improvements in consequence of a letter written by Mr. Collins, the Deputy Surveyor-General, of the 22d January, 1789, inclosing Your Excellency's Order-in-Council of the 29th Dec., 1788, allotting them 1,000 acres at La Vielle Galette.

The Committee beg leave to refer Your Lordship to the Journal annexed, containing their proceedings on this reference, and shewing the foundation of Messrs. Lorimier's claim, and the opinion of the Committee respecting it. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

(Sgd.) Hugh Finlay, in the Chair.

Quebec, 15th May, 1790.

Journal

At a meeting of the Land Committee, Thursday, 22d April, 1790, there being present Mr. Finlay, in the chair; Messrs. Collins, Caldwell, Grant and De Lanaudiere.

Read the petition of Chevalier Lorimier, in behalf of himself and his brother, Francois De Verneuil Lorimier, late Officers in the Indian Department, dated the 8th April, 1790, setting forth that they received a letter from John Collins, Esq., Deputy Surveyor-General, dated the 22d January, 1789, inclosing His Excellency's Order-in-Council of the 29th December, 1788, by which it appeared that the prayer of their petition had been granted for 500 acres of land each at La Vielle Galette, and Mr. Collin's letter directed them to point out the particular spot where they wished to locate.

Notwithstanding that letter an order was afterwards sent to Chevalier Lorimier at La Galette last January from the Land Office Board of Luneburg, but without date, by which it appears that the petitioners are deprived of the scite they had chosen, because the intended town and town parks to be laid out

in Edwardsburg upon the tract they had pitched upon will take in the very lands they had chosen, sat down upon and improved at great expense, on the strength of the letter which they received from the Deputy Surveyor-General and they further represent that they have not the means of clearing new lands and they conclude by praying His Excellency Lord Dorchester to recompense them for the improvement they have made, provided they cannot be permitted to keep the lands they have taken possession of and in part cleared.

Mr. Lorimier attended the Committee and produced the letter and order mentioned in his petition as follows:

Quebec, 22d January, 1789.

Sir: Inclosed is the copy of an Order-of-Council for 500 acres of land for yourself and the same for your brother, please let me know where you wish to have it, and I shall give the necessary Order for having it laid out accordingly. I am, Sir, &c. (Signed) JOHN COLLINS, D.S.G.
Francis Verneuil Lorimier.

Extract from the Minutes of Council, Monday, 29th December, 1788.

Francois Verneuil De Lorimier and G. De Lorimier for lands at Vielle Galette. Ordered that the Surveyor-General report a survey of five hundred acres for each, if in the gift of the Crown. (Signed) J. WILLIAMS,

The second Order alluded to in the petition which he received in February last was likewise produced; it appears to be copy of a letter from Mr. Secretary Motz to the Chairman of the Land Office Board of Luneburg. The following is an extract from it: Ordered by His Lordship, with the advice of the Board, that the Land Board for the District of Luneburg cause a tract of five hundred acres to be assigned to Mr. Francis Verneuil de Lorimier, and a like tract of five hundred acres to be assigned to Mr. G. de Lorimier in satisfaction for their joint petition for lands elsewhere, in such part of the Indian Tract in Edwardsburg, or such other part of the District of Luneburg as they may respectively point out, without interfering with any general rules and regulations.

Although Mr. Lorimier is not considered by the Council and the Deputy Surveyor-General to have had authority to take possession of the spot, where it seems he has begun to make improvements, yet His Lordship in regard of the exertions of both the Messrs. Lorimier in accomplishing the purchase of these Indian lands, as well as their former services, recommends them to the attention of the board, as far as their general instructions and approved arrangements may permit, His Lordship thinks them entitled to a town lot, and town park each, the latter of which if possible, should include their improvements already begun.

With regard to the five hundred acres allotted to each of them, the board will judge how far they may be accommodated in any other part of the tract, or the district at large without interfering with general orders and arrangements.*

Mr. Lorimier informs the Committee that he at the same time received an Order from the Land Office Board of Luneburg assigning to him and his brother, to be laid off in such part of the Indian Tract in Edwardsburg, or any other part of the District of Luneburg as they might point out, not interfering with any general rules or regulations, and in satisfaction for their joint petition for lands elsewhere. But he begs leave to observe that they took possession of the tract they have built upon and improved, by authority from His Excellency in Council —the lands at that time belonging to the Crown, and being the very spot peti-

*This Order corresponds with that made in Council on the 9th Nov., 1789.

tioned for, and on which they have laid out their all; and he remarks it will be hard indeed if they shall be deprived of that property. The Committee desired Mr. Lorimier to explain the meaning of the concluding part of the petition mentioning recompense. He answered that if he and his brother must cede the lands he had prayed for, and which they improved upon the faith of the papers laid before this Committee, they do not wish for lands elsewhere as they are without the means of improving them, having laid out all they had in the world upon the lands in question, in building a solid log-house 60 feet long by 30 feet wide, well finished, and by clearing between 40 and 50 acres of land, the half of which is now fit for the plough, all which, together with the unimproved part of the tract, they estimate to be worth £750.

Mr. Collins was desired to order Mr. Chewet, the Deputy-Surveyor, to attend. Adjourned until to-morrow.

At a further meeting on Friday, 23rd April, 1790, the same members as yesterday being present.

Mr. Chewet produced a plan of the New-Town (Johnstown) laid out on the tract lately purchased from the Indians at Edwardsburg shewing to the Committee how the lands which Messrs. Lorimier took possession of (upon the strength of Mr. Collin's letter of the 22d January, 1789) will interfere with the rules and regulations to be observed in laying out town plots in the new settlements, and it appeared on the face of the plan that all the town parks to the westward, together with a part of the town itself, would be absorbed in Mr. Lorimier's grant.

Mr. Lorimier being present desired leave to question Mr. Chewet. Granted.

1st. Si Monsieur Chewet n'a jamais tiré aucuneligne sur les titres semblables à ceux que Je possede?

Mr. Chewet: Never; my instructions were always general.

2d. Si J'avois proposé a Monsieur Chewet de tirer les lignes en lui montrant la lettre de Monsieur Collins, et l'ordre du Conseil, l'auroit il fait?

Answer: No, I could not, until such time as the Deputy Surveyor-General had sent the necessary orders.

Question by Col. Caldwell to Mr. De Lorimier: On the 29th December, 1788, were the lands at La Vielle Galette ceded to the Crown by the Indians? Answer: Yes, in August, 1788.

Question: Have you any proof of that cession at that time? Answer: Yes. The lands were ceded to me at La Galette and ratified by the Indians in a Council at Montreal held before Lord Dorchester about the end of August or beginning of September, 1788. Lieut. Col. Campbell was present.

Question by Mr. Grant to Mr. Lorimier: Has there been any other formal cession since, by writing or otherwise by the Indians to the Crown? Answer: No.

Question by Col. Caldwell to Mr. Lorimier: When you received Mr. Collins's letter inclosing the Order-of-Council of the 29th Dec., 1788, directing you to point out the place where you wished to have your lands laid out, why did you not comply with that direction? Answer: My brother did send an answer immediately, desiring the survey to be made at La Vielle Galette where it had been petitioned for, and at the same time wrote a letter of thanks to His Lordship.

Question by Mr. Grant to Mr. Lorimier: What answer did you receive from Mr. Collins and when? Answer: We received no answer.

Question by Mr. Grant to Mr. Collins: Did you receive any letter from Mr. Lorimier? Answer: I do not recollect that I did. I shall look among my papers and inform the Committee.

Question by Col. Caldwell to Mr. Lorimier: At what time began you to clear those lands after you had received Mr. Collins's letter inclosing the Order-in-Council of the 29th December, 1788? Answer: As soon as the weather permitted the spring following.

Col. Caldwell then moved that the following be reported to His Excellency Lord Dorchester as the opinion of this Committee on the reference before us, touching Messrs. Lorimier's claim for the lands they now possess:

That it is the opinion of this Committee that the lands at La Vielle Galette had been ceded to Government previous to the Order-of-Council of the 29th December, 1788.

That Messrs. Lorimiers were entitled by that Order to the quantity of land therein specified, and that any surveyor employed by Government would have been justifiable in measuring that quantity in the place expressed in the order. That in case those lands are wanted for the use of the public, Messrs. Lorimier are entitled to full compensation for the same, as it appears to them the faith of Government is pledged by the aforesaid Order to Messrs. Lorimiers for the quantity of 1,000 acres at La Vieille Galette, if in the gift of the Crown, as it appears to have been at the time the order was made.

The question whether the Committee coincide with Col. Caldwell on his motion being put, debates arose.

For the motion: Mr. Caldwell.

Against it: Mr. De Lanaudiere, Mr. Grant, Mr. Collins.

Carried in the negative, 3 voices against 1. Adjourned until Friday.

Friday, 30th April, Committee of the whole Council, no land business. Adjourned to Monday, 3rd May.

On Monday, 3d May, the Committee met. Members as before, except Colonel Caldwell.

The Deputy Surveyor-General informed the Committee that he had searched his papers but found no letter from Messrs. Lorimier or either of them, in answer to his of the 22d January, 1789, inclosing His Excellency's Order-in-Council touching lands at La Vielle Galette, and further that he does not recollect ever to have heard from them on the subject.

Mr. Lorimier presented a letter addressed to the Chairman of the Land Committee dated 3d May, 1790, which was read:

Quebec, 3 May, 1790.

Messieurs: Apres avoir fait toutes mes reflections sur les circonstances qui ont été consideré lorsque J'ai eu l'honneur de paraitre en votre Comité, Je me crois encore fondé dans le droit que mon frere et moi avons sur les mille arpents de terre ou nous sommes presentement établis.

Une partie de cette terre paroissant nécessaire ou utile au plan de la Ville de Johnston, Je ne peux me refuser au desir du Gouvernement, quoique J'en puisse souffrir, et pour manifester en toutes occasions mon zele pour l'interêt de la Couronne, Je fais un abandon de mes cinq cent arpents de terre sur les conditions suivantes, s'il m'est permis d'en faire.

1°. Que mon frere soit maintenu en la possession et propriéte des cinq cents autres arpents, sur lesquels il a bâti.

2°. Que Je reste dans la confiance que cet Honourable Committee voudra bien me recommander pour une juste compensation en autre terre, à titre de don ou concession de la couronne pour les cinq cents arpents que J'abandonne, et que Je Pourrai obtenir en outre un emplacement dans la Ville de Johnston, avec part dans la Commune qui en dependra. Je desire que ces dernières propositions

soient à la satisfaction de vos Honneur, desquels Je me dit avec respect. Messieurs, Votre très humble et très obéissant Serviteur. (Signé) Ch's Lorimier.
L'Honourable Hugh Finlay, Ecuyer.
President du Committé pour les Terres, &c.

The Committee being of opinion that before they proceed further, the Deputy Surveyor-General be desired to furnish a sketch of the lands ceded by the Indians in Edwardsburg, with the town parks and reservations for the seminary and other Crown reservations laid down thereon, to shew at one view how the town plot is affected by the claim of Messrs. Lorimier. Resolved accordingly. Adjourned to Friday, 7th May.

On Friday, 7th of May, met according to adjournment. Present: Messrs. Finlay, Collins, Grant and De Lanaudiere.

The Deputy Surveyor-General produced the plan agreeable to the resolve of this Committee of the 3rd instant, on which is laid down a town plot, of a mile square, together with certain reservations surrounding it, agreeable to the rules and regulations of the 17th of February and the 25th of August, 1789, as far as the peculiar scite of town, and the adjacent lands could permit.

The Committee having considered the plan observe that the tract lately ceded by certain Indians to the Crown has a front of two miles. That the Town Plot lately laid out is situated upon the river and its front line exactly in the middle of the tract; but as the said lines which bound the town on the east and on the west do not run parallel with the lines which bound the tract, the half mile area which ought to surround the town for works of defence if necessary will not be complete as the boundary line of the lands lying contiguous to the town and actually settled by loyalists prevents its extension westward and leaves no room for town parks on that side, and if the request of Chevalier Lorimier in behalf of his brother, Guillaume, as stated in his letter of the 3d instant shall be granted, for six acres in front, running backwards the same breadth parallel to the western boundary of the tract in question, to contain 500 acres almost the whole of the area reserved for defence on the west side of the town would be covered; it would take in about five acres of the square reserved in the northwest corner of the town plot for an hospital, burying ground or other uses; and there would be 74 acres of the area reserved for town parks, north of the town, comprehended in that grant.

The Chairman observed that it now remains with the Committee to consider how far Messrs. Lorimier had been authorized to clear any part of the land at La Vielle Galette and to build thereon, and if they shall be of opinion that these gentlemen had a right to set down there, it will be proper to point out where the town parks that are included in the tract claimed by Messrs. Lorimier may be supplied.

Mr. Grant then moved to resolve that it appears to this Committee that the lands at La Vielle Galette were ceded by the Indians to the Crown in August, 1788.

That the Order-in-Council for Messrs. Lorimier to have 1,000 acres there, if in the gift of the Crown, was dated the 29th of December following;

That Mr. Collins, the Deputy Surveyor-General, wrote to Messrs. Lorimier the 22d January, 1789, inclosing that order and directing them to point out the place where they wished to have their 1,000 acres set off, and he would give orders accordingly;

That in May, 1789, they entered on possession under the Order-in-Council, but before any survey was made and they cleared part of the land and built a house thereon;

That in February, 1789, Land Boards were appointed and a general plan for laying out town plots with certain reservations for town parks, &c., was resolved upon in Council;

That on the 9th of November, 1789, an Order-in-Council issued on a report from this Committee of the 3rd of that month, which stated that Messrs. Lorimier had improperly taken possession of lands at La Vielle Galette which interfered with the town plot of Johnstown in Edwardsburg;

That the Land Committee were not then informed that the lands at La Vielle Galette had been purchased from the Indians in August, 1788, and were consequently in the gift of the Crown at that day, for in that case they would not have reported unfavourably to Messrs. Lorimier;

Therefore the whole maturely considered the Committee humbly advise that Mr. Lorimier be confirmed in the possession of 500 acres of land at La Vielle Galette as prayed for in his brother's letter of the 3rd instant, and that Chevalier Lorimier have a town lot and town park with 500 acres adjoining to and at the north boundary of the tract to be set off for his brother, Guillaume, and of a like front, viz., six acres. The Committee do not apprehend much inconvenience can arise to the settlers in the town from the grant, as parks may be provided for the town people by bounding the area to be reserved for parks at the back of the town by a line to be drawn more to the northward.

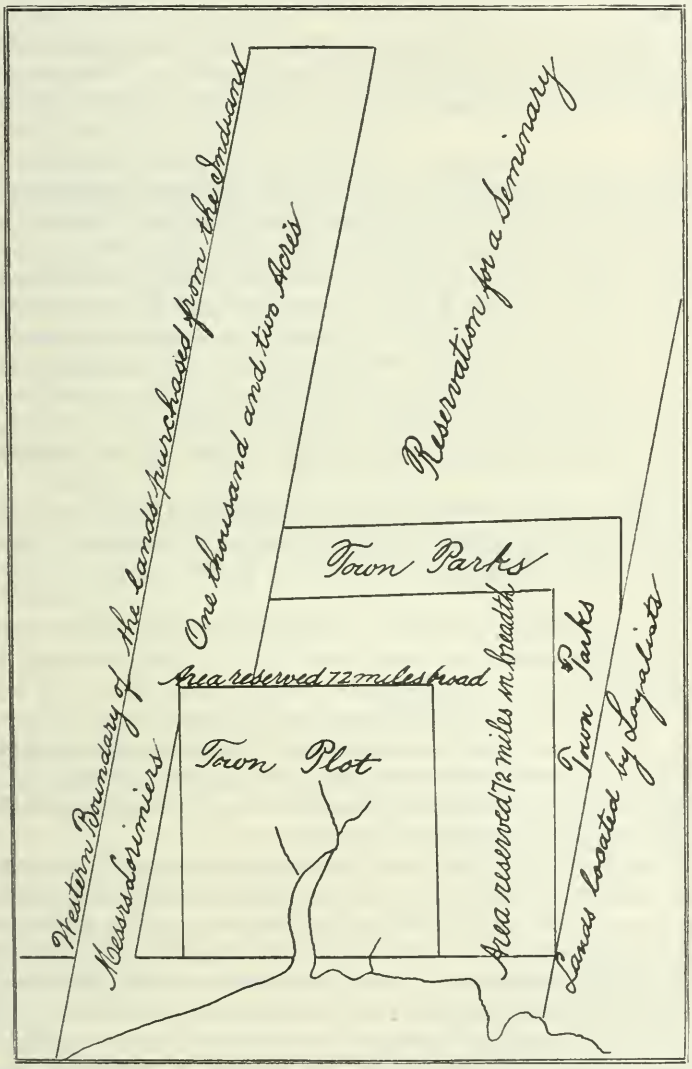
Resolved, by Messrs. Collins, Grant and De Lanaudiere, that the foregoing motion is expressive of the opinion of this Committee relative to the claim of Messrs. Lorimier for a thousand acres at La Vielle Galette and that the proceedings of this Committee on the reference of Messrs. Lorimier's petition be reported to Lord Dorchester, and that the plan of the town plot laid before the Committee by the Deputy Surveyor-General be thereunto annexed.

Whereupon the Chairman observed that he could not admit that Messrs. Lorimier had derived any right to sit down on the lands lately ceded in Edwardsburg from His Excellency's Order-in-Council of the 29th of Dec'r, 1788. That they ought to have postponed clearing any part thereof, or building thereon until a survey had been made and a Certificate of Location put into their hands by the Land Office Board at Luneburg; but all circumstances of the case considered he would nevertheless humbly advise His Lordship to grant to Mr. Guillaume Lorimier the spot on which his house stands in Edwardsburg, together with the land which he has cleared round it, not, however, to exceed 48 acres. The front or most southerly boundary, to be upon a line with the most southerly row of buildings in the town, to begin at a point on the western boundary of the tract lately ceded by certain Indians to the Crown, thence easterly six acres, thence northerly eight acres, thence westerly six acres, thence down the western boundary eight acres to the first station and that he obtain a further tract of 450 acres, beginning at the upper and westermost corner of the area reserved for works of defence, having a front of six acres upon the northern boundary of the said area, and running back northward 75 acres parallel with the western boundary of the land, ceded by the Indians as above said, together with a town lot. And that Chevalier Lorimier obtain a grant of 500 acres immediately behind and adjoining his brother Guillaume's tract, and of a like front, together with a town lot and town park.

HUGH FINLAY, in the Chair.

Quebec, 7th May, 1790.

Ordered thereupon that the Surveyor-General's Office report unto the Council Office a clear description of the tract proposed by the Committee of the whole Council to be assigned to Messrs. Lorimier, to the intent of its being communicated by the Clerk to the Land Board for the District of Luneburg for their report, whether the faith of Government stands pledged by them for any and what parts of the said tract, under authority of their general instructions, that such further course may be taken thereon as the case shall be found to require.


Western Boundary of the Lands purchased from the Indians
Messrs Lorimiers
One thousand and two Acres
Reservation for a Seminary
Town Parks
Area reserved 12 miles broad
Town Plot
Area reserved 12 miles in Breadth
Town Parks
Lands Located by Loyalists

DESCRIPTION OF TRACT

Plan of the Town Plot of New Johnstown and a lot of one thousand acres for Messrs. Lorimier, to begin on the western boundary of the land purchased from the Indians, and to run towards the Town on a line with the front of the same, six acres and from thence on a line parallel with the western boundary mentioned above twenty-five acres to the northern boundary of the Town Plot, including one hundred and fifty acres and from thence to be twelve acres in front, adjoining the boundary line of the Town, by seventy-one acres in depth, making eight hundred and fifty-two acres, which added to the former one hundred and fifty mentioned above makes in the whole one thousand and two acres agreeable to the Order-of-Council the 25th August, 1790.

Quebec, 27th August, 1790. (Signed) JOHN COLLINS, D.S.G.

Friday, the 8th October, 1790.

At the Council Chamber in the Bishop's Palace.

Present: His Excellency The Right Honourable Lord Dorchester, Governor; The Honourable Alured Clarke, Esq., Lieutenant-Governor; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Charles De Lanaudiere, Adam Mabane, Le Comte Dupré, J. G. C. Delery, Esquires.

Nicholas Austin: Read the report of the Land Committee on the petition of Nicholas Austin and 254 heads of families, his associates. Ordered to beentered.

Report of the Land Committee consisting of Mr. Finlay, Mr. Collins and Mr. Grant.

May it please Your Lordship: In obedience to Your Excellency's commands to us signified by Mr. Motz's letter of yesterday, we have considered the applications made to Your Lordship by petitions from Nicholas Austin of the State of New Hampshire and his associates for lands on the banks of the Lake Memphramagog (Lower Canada), stating that he and 254 persons with their families are desirous to remove from the States of America and become subjects of His Majesty under Your Lordship's Government, provided they shall be able to obtain a tract of ten miles square or 64,000 acres on the eastern bank of the said lake, which they will engage to settle immediately. Sir John Johnson, in his letter to Your Lordship dated at Montreal, the 22d of October, 1789, recommends the petitioners to Your Excellency as settlers worthy of encouragement in the words following:

The Land Board here having taken the inclosed petition into consideration are of opinion that the settlement of such a number of persons of the description of Mr. Austin and his associates would be of great advantage and benefit to the Province.

The Committee then proceeded to examine of the ungranted lands on the south side of the River St. Lawrence where Lake Memphramagog is situated, and having pointed out to the petitioner, Mr. Austin, that the tract he has applied for for himself and his associates was petitioned for in June, 1788, by Colonel Fitch, Mr. Austin then requested that a similar tract of ten miles square might be laid off for him and associates upon the east side of the River Richelieu to be bounded in front by the depth of a seigneurie upon the said river, the property of Major-General Christie and Col. Campbell.

The Committee not finding that any application for this last-described tract has been made are of opinion that the prayer of the petitioners may be granted as soon as it shall be His Majesty's pleasure to order grants to be made on the south side of the River St. Lawrence, provided that Mr. Austin and associates give satisfactory proof of their attachment to His Majesty's Government, take the oaths, and subscribe the declaration prescribed by the King's additional instruction dated St. James's, the 7th day of August, 1783.

If, however, it may appear hereafter that any part of the last tract applied for has been already granted, the Committee humbly recommend that the part so granted may be made good to the petitioners from the waste lands of the Crown so as to form one continued tract.

Quebec, 2d October, 1790. HUGH FINLAY, in the Chair.

Major Edward Jessup: Read the report of the Land Committee on the petitions of Major Edward Jessup, Mr. Allsopp and Antoine Foucher. Ordered to be entered.

Read the report of the Land Committee consisting of Messrs. Finlay, Collins and Grant, held in the Council Chamber, Bishop's Palace, Saturday, 2d October, 1790. The Committee considered sundry petitions for grants of the waste lands of the Crown referred to them by His Lordship, the Governor-General, and first:

Major Edward Jessup: The petition of Major Edward Jessup, Commandant of the late Loyal Rangers, dated the 9th of September last, praying for a grant of 110,000 acres of land to recompense him for a like quantity of uncultivated land which he possessed in the Province, now the State of New York, confiscated on account of his loyalty to the King and attachment to the British Government. The Committee humbly apprehend that His Majesty's Instructions do not authorize compensation to be made in grants of the waste lands of the Crown, for losses, such as set forth by the petitioner.

The Committee humbly inform Your Lordship that the petitioner, as a reduced Provincial Field Officer, drew agreeably to His Majesty's Instructions 1,000 acres of the waste lands of the Crown; and further, Your Excellency by Your Order-in-Council was pleased to put Major Jessup and the officers of his corps on a footing with those of equal rank of the late 84th Regiment with respect to lands, by which he is entitled to an additional quantity of 4,000 acres, which he has applied for on the River Petite Nation in the District of Luneburg.

Antoine Foucher: The Committee proceeded to consider the petition of Antoine Foucher for an island in Lake St. Francis, opposite to and about a half league in distance from a lot No. 14 which he drew upon the banks of the lake; the island is computed to contain about seven acres in superficies.

Upon this petition the Committee humbly report that by Your Excellency's Order-in-Council of the 17th of May last, no islands lying in the Great River are to be granted for the present, therefore the request of Mr. Foucher for the Island of Ganaraqué in Lake St. Francis cannot be complied with. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Monday, the 15th of November, 1790.

At the Council Chamber, in the Bishop's Palace.

Present: His Excellency The Right Honourable Lord Dorchester, Governor; The Honourable Alured Clarke, Esq., Lieutenant-Governor; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Cha's De Lanaudiere, Adam Mabane, J. G. C. Delery, Le Comte Dupré, Esquires.

The following report was read: The Committee appointed by Your Excellency's Order-in-Council on the 9th day of November, 1789, to examine the report of the Land Committee of the 7th August in the same year on a claim of Messrs. Curotte to the Grande Isle, opposite Kataracoui, with the opinions of the Attorney and Solicitor-General, and other papers annexed thereto;

Messrs. Dunn and Mabane, the members of the Committee residing in Quebec, having duly considered the same, and the report of Messrs. De Belestre, Fraser and De Longueuil, the members residing in Montreal, delivered to the Chairman on the 18th of last month, in the following words:

We have attentively perused the claim of Messrs. Curotte to the Grand Isle opposite Cataracoui and to the Village Lot, with the opinion of the Attorney and Solicitor-General, and other papers and opinions thereto annexed, and we then proceeded agreeable to Your Excellency's reference to consider the report

of the Land Committee thereon, and we now after mature consideration report that we are of the same opinion with the Land Committee, as no concession or grant reverts to the grantor unless the failure of the conditions is ascertained by legal process and followed by a judgment of reunion, which usage, custom and law is fully stated in the answer of Messrs. Curotte to the opinion of the Attorney and Solicitor-General and some of us from experience are convinced of the wisdom of such process, as guarding against surprise and misrepresentation, attempts having been made to reunite where there was no failure of the condition, and on such process the grantee has still an opportunity of complying with the condition, and then Mora purgatio admittitur celeri prestatione Rei, the delay or failure is wiped off by an immediate diligence.

Montreal, 24 September, 1790. (Signed) Picottee De Belestre, T. Fraser, J'h De Longueuil.

The Committee are of opinion that (notwithstanding the stipulation in the Arrêt of the Council of the French King of the 13th May, 1675, that at the expiration of twenty years His Majesty might dispose of such of the lands granted to Monsieur De La Salle as should not then be cultivated) such lands are not revested in the Crown or the seignor, so as to entitle either to regrant the same unless the failure of the conditions to be performed by the grantee has been first ascertained by legal process and a judgment of reunion obtained thereon. All which is nevertheless humbly submitted to Your Lordship's wisdom. (Signed) Thom's Dunn, Chairman.

Council Chamber, 9th November, 1790.

Referred to a Committee of the whole Council with liberty to hear the party, and the Attorney and Solicitor-General, publicly, and to send for papers and records, and report the result, with their opinion thereon.

Tuesday, the 4th of January, 1791.

At the Council Chamber, in the Bishop's Palace.

Present: His Excellency The Right Honourable Guy, Lord Dorchester; The Honourable Alured Clarke, Esquire, Lieutenant-Governor; The Honourable William Smith, Esquire, Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Cha's De Lanaudiere, J. G. C. Delery, Le Comte Dupré, Esquires.

Read the report of Messrs. Finlay, Collins and Grant on His Excellency's reference to the Land Committee for the examination of the monthly progress of the Surveyor-General's Office, upon the plans of the Province:

May it please Your Lordship: The Deputy Surveyor-General, Mr. Collins, on the requisition of this Committee, laid before them several plans of different parts of the Province, viz.:

Three plans, one of Luneburg, one of Mecklenburg, and one of Nassau, finished, pasted on linen, and fixed to rollers, for the use of His Excellency the Governor and Council, all signed by the Surveyor and Deputy Surveyor-General.

A plan of that part of the Province which lies between Detroit and the Island of Bic, for the use of His Majesty's Secretary of State, complete, signed by the Surveyor-General and Deputy Surveyor-General.

A continuation of the lower parts of Canada from Bic to the Gulph of St. Lawrence, including Gaspé and Chaleurs Bays in some forwardness.

A plan of the District of Quebec, one of the District of Montreal, and one of the District of Three Rivers, in great forwardness, and may soon be compleated; the boundaries of the parishes are not marked upon these plans, the Deputy

Surveyor-General declaring that it is impossible to lay them down from the descriptions of their boundaries furnished by the respective curates, and put into his hands by the Committee appointed to report to Your Excellency a list of the parishes, and further adds that he is not possessed of any other materials to direct him in that work.

Two plans were next exhibited of part of the Province upon which are laid down the seigneuries and other possessions held by the Jesuits, which may soon be finished, and last, a plan of the ground reserved at Niagara for public uses, not finished.

HUGH FINLAY, in the Chair.

Quebec, 22d October, 1790.

His Lordship informed the Board that a map of the Province compiled in the Surveyor-General's Office pursuant to the Order of the 22d February last has been transmitted to His Majesty's Secretary of State, together with a schedule of the plans in the office of Surveyor-General, to the intent that His Majesty's Ministers may be enabled to direct the transmission of copies of such of them as they may think necessary.

A duplicate of the schedule was then read in the following words:

List of plans in the Surveyor-General's Office, Quebec, 12th November, 1790:

Boundary between the Province of Quebec and New York; scale, 6 miles to 1 inch.
Plan of the Province from Coudre to the Cedars, 2 miles to 1 inch (3 copies).
Ditto of the Upper Lakes, 10 marine leagues.
Survey from Lancaster to the River Trent, 2 miles to one inch.
Grande River to Lake Huron, 6 miles to 1 inch.
Lake St. Francis to Three Rivers with Lake Champlain, 4½ miles to 1 inch.
St. Lawrence from Tadousac to Masquinongé, 6 miles to 1 inch.
River Ristigouche, 1 mile to one inch.
Lake Champlain 4½ miles to one inch (2 copies).
From Oswegatche to Cataraqui, ½ mile to one inch.
From L'Assomption to Oswegatchie, 2 miles to one inch.
Cataraqui, now Kingstown, ½ mile to one inch.
Lake Erie, Detroit River, &c., sketch, 15 miles to one inch.
American Purchase on Is., Lake Ontario and the Genesee River, 200 ch's to one inch.
American Map of Kentucke, 1 mile to one inch.
Pond's Map of the Upper Country, sketch.
Projects for laying out Inland Townships, ½ mile to one inch.
Ditto for a Lake or River, ½ mile to one inch.
New York, New Jersey and part of Quebec, sketch.
Course of the St. Lawrence and River between that and the Hudson River, sketch.
From Lake Ontario to Lake Erie, 1 mile to one inch.
Maul Bay, 4,000 feet to one inch.
Bay Chaleurs, 400 feet to one inch (4 copies).
Pabos, 2 ch's to one inch.
North side River Ristigouche, 20 ch's to one inch.
Harbour and Bay of Gaspé, 1,000 feet to one inch.
New Carlisle, 40 ch's to one inch (2 copies).
Port Daniel, 40 ch's to one inch.
Reserved lands between Carlisle and Hopetown, 6 ch's 32 links to one inch.
Hopetown, 40 ch's to one inch (3 copies).
Cox Town, 40 ch's to one inch.
District of Quebec, 2 miles to one inch.
From Montreal to Lake Ontario with the Ottawa River, 10 miles to one inch.
North side Lake Ontario, 12 miles to one inch.
Coteau de Lac, 2 arpents to one inch.
Town of Quebec, 10 toises to one inch.
Batiscan to Pearsley Point, 6 miles to one inch.
Coudre and St. Paul's Bay, 20 ch's to one inch (2 copies).
Plan of Operations in 1759, 800 feet to one inch.
Meridian Line at Quebec, 4 ch's to one inch (2 copies).
Claims in Quebec, 10 toises to one inch (3 copies).
Plains of Abraham, 800 feet to one inch.
Nouvelle Beauce, 2 miles to one inch.

Communication between River Du Loup and Lake Temiscouata, 2 miles to one inch.
Part of Quebec, 10 toises to one inch (4 copies).
Quebec, unfinished, 10 toises to one inch.
District of Three Rivers, 2 miles to one inch.
River Yamaska, 2 miles to one inch.
River St. Francis, 200 French feet to one inch.
River St. Maurice, sketch.
Entrance of Yamaska, 2 miles to one inch.
Lake St. Peters, ½ mile to one inch.
Chambly and Yamaska River, 10 arpents to one inch.
District of Montreal, 2 miles to one inch.
William Henry, 100 feet to one inch (3 copies).
Fauxbourg de St. Laurent, 40 toises to one inch.
Chateauguay River, 200 perch to one inch.
La Prairie, ⅛ of a league.
Vacant lands between the Seigneuries of Sorel River and those on the St. Lawrence, 2 miles to one inch.
Lands of the General Hospital, 40 toises to one inch.
Lake St. Louis, 200 perch to one inch.
Seigneurie of Sorel, 10 arpents to one inch.
From Lanauraic to Lake of the Two Mountains, 2 miles to one inch.
District of Luneburg, 2 miles to one inch.
Lancaster, 40 ch's to one inch (3 copies).
Leeds and Lansdown, 40 ch's to one inch.
Niagara River, 1 mile to one inch.
Eight townships from Pointe Bodet to Oswegatchie, 2 miles to one inch.
Johnstown near Edwardsburg, 200 feet to one inch.
Caermarthen, 40 ch's to one inch (2 copies).
Suffolk, 40 ch's to one inch (2 copies).
From Point Bodet to head of Long Sault, 40 ch's to one inch.
Charlottenburg, 40 ch's to one inch.
Cornwall, 40 ch's to one inch.
Oznabruck, 40 ch's to one inch.
Williamsburg, 40 ch's to one inch.
Matilda, 40 ch's to one inch.
Townships from River au Raisin to head of Long Sault, 40 ch's to one inch.
Augusta, 40 ch's to one inch (2 copies).
Elizabeth Town, 40 ch's to one inch (2 copies).
River Rideau, 2 miles to one inch.
Line from Charlottenburg to Grand River, 2 miles to one inch.
Plan of the Upper Settlements, 40 ch's to one inch.
Grand River, 2 miles to one inch (4 copies).
Lake St. Francis, 20 chains to one inch.
District of Mecklenburg, 2 miles to one inch.
Kingstown and Camden, 40 ch's to one inch.
Marysburg, Sophiasburg and Amiliasburg, 40 ch's to one inch (2 copies).
Points Frederick and Henry, 200 feet to one inch.
Ernest Town, 40 ch's to one inch.
Isle Tonté, ½ mile to one inch.
Kingstown, 40 ch's to one inch.
Adolphus Town, 40 ch's to one inch (4 copies).
Fredericksburg, 40 ch's to one inch.
Sidney and Thurlow, 40 ch's to one inch (2 copies).
Richmond and Camden, 40 ch's to one inch (2 copies).
Fort Frontenac with Kingstown, 40 ch's to one inch.
Entrance of Lake Ontario, 1 mile to one inch.
Original Survey of Bay of Quinte, 2 miles to one inch.
Pittsburg, 40 ch's to one inch.
District of Nassau, 2 miles to one inch.
Original Survey of Nassau, 2 miles to one inch.
Nine townships on the head of Lake Ontario and Niagara River, 1 mile to one inch.
Townships from head of Lake Ontario to Lake Erie, 1 mile to one inch.
Toronto, ½ mile to one inch.
Fort Erie Township, 40 ch's to one inch.
A road from Corteau de Lac to Kingstown, 1 mile to one inch.
Returned into the office by William Chewet, his field book and journal for the year 1788; by Mr. Rankin, field book and journal for 1789; by Mr. Pennoyer, field book and journal for 1789 and 1790.

(Signed) SAMUEL HOLLAND, Surv'r-General.
JOHN COLLINS, D.S.G.

Quebec, 12th Nov., 1790.

Read also a representation of the Surveyor-General, a copy of which His Lordship informed the Board had been transmitted to England at the same time, in the following words:

Quebec, November 1st, 1790.

My Lord: The great attention Your Lordship has been pleased to bestow in collecting the several plans and surveys of this Province encourages me in taking the liberty of representing to Your Excellency that in order to compleat this most serviceable undertaking the principal and original plans are wanting, which I have great expectation might by Your Lordship's interference be recovered; they were left in the care of Major Debarres in May 1776, by me, on being ordered suddenly from London to Portsmouth to embark for America; my remaining some time at Portsmouth windbound afforded me opportunities of writing for them, but without effect, since which at different periods I made frequent applications but with no better success.

In answer to my personal informations made last year to Major Desbarres, who I frequently met in London, learnt that the several plans he had from me, together with his plates and engravings, were detained at the Custom House from whence through the Channel of Your Lordship's influence I found my hopes of their being regained.

The plans which I conceive to be of the greatest utility to the Province and left in his possession among many others (my plans and surveys of British America, and the United States) are:

First.—A map of the settled part of the Province in three parts to a scale of 4,000 feet to an inch.
Second.—The River St. Lawrence as far as the Gulph including the Island of Anticosti, Chaleurs Bay on the south side and the Coast of Mingan on the north, in three parts, with all the soundings and nautical remarks by a scale of 2 miles to one inch.
Third.—A plan of the City of Quebec with its environs by a scale of 2,000 feet to one inch.
Fourth.—General Wolfe's Campaign of 1759.
Fifth.—The plan of Three Rivers to the Forges; also a plan of Montreal and its environs, the whole by a scale of 2,000 feet to one inch.

Humbly submitting the above with all due deference to your Excellency's consideration, I have the honor to remain, My Lord: Your Lordship's most devoted and obedient humble Servant, (Signed) SAMUEL HOLLAND.

Ordered that the Land Committee inspect the maps, plans, surveys, field books and papers touching the credit and authenticity of any particular surveys belonging to the Surveyor-General's Office concerning the disposition and arrangement of which they are to make report, with their opinion of such regulations as they may conceive most expedient to answer the purpose of their preservation, and of opening a cheap and easy access to them for the benefit of the public.

And as soon as may be after the first of May and the first of November in every year, the Land Committee are to make like reports noting any additions of maps, surveys, or other papers of the description aforementioned, which may have been acquired in the course of the six months then next preceding.

And in respect of the increase of the business of the Surveyor-General's Office, and the necessity of performing all surveys with due accuracy, the Land Committee are also charged to report a list of the instruments remaining in that office or in the hands of the several Deputy Surveyors, distinguishing those appurtenant to the office, from such as may be private property, and whether any and what kind of instruments may be wanted for the better execution of the work of that department, together with an estimate of the probable expense of supplying the deficiency.

Read the report of the Land Committee (present: Messrs. Finlay, Collins and Caldwell) to whom was referred a letter from the Chairman of the Land Office Board for the District of Luneburg.

May it please Your Excellency: In obedience to Your Lordship's commands this Committee considered the letter of Richard Duncan, Esq., Chairman of the Land Office Board for the District of Luneburg, together with the papers accompanying it, and they humbly beg leave to refer Your Excellency to the annexed Journal stating their opinion on the different matters contained in the said letter, which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 23d June, 1790.

Journal of the Land Committee of Friday, 5th March, 1790.

Present: Messrs. Finlay, Collins and Caldwell.

Read a letter from Richard Duncan, Esq., Chairman of the Land Office Board for the District of Luneburg, dated the 24th of November last, and referred the 27th February, stating that the board wish to call in all the old certificates that have been issued by that board and addressed to the surveyors, that they may be renewed in the form of the certificate pointed out in the Regulations of the 17th of February, 1789.

This Committee see no objection to the foregoing proposal of the Board of Luneburg.

The Deputy Surveyor-General observes on that part of the letter which states that the board have understood that it has been reported to His Excellency Lord Dorchester that all the concessions in the different townships had been run out by the surveyors but it is not so, as he informs the Committee for on the 15th of May, 1788 (as he sets forth), he had the honour to deliver his opinion on that business to Lord Dorchester in a paper entitled Abstract of Surveys necessary to be made to compleat the Loyalists' Settlements, a work which he at that time conceived requisite to be done so far as to run the side lines of townships and the back boundary of every range of concessions to prevent confusion which he apprehended would arise from the neglect of that precaution and which yet at this day he thinks may happen if that work shall be left undone.

The Committee here note that in Council on the 30th day of June, 1788, Mr. Collins, the Deputy Surveyor-General's proposal as above stated, was not considered to be necessary and it was rejected, seeing it would be attended with expense in concurrence with the opinion of a special committee who had reported thereon.

The Land Office Board of Luneburg recommend that roads may be opened to lead to the back concessions.

The Committee consider that the proposal, if it could be executed, would greatly advance the settlements in Luneburg, but as it cannot be done but at great expense to government the Committee cannot at present recommend it.

Proceeded to read a paper referred to in the letter from the Land Office Board of Luneburg, written by the Deputy Surveyor for that district (Mr. Chewet), relative to concessions that have been located but not surveyed, together with other observations, and on the first Mr. Collins observes that it is true that in the Townships of Charlottenburg, Cornwall, Oznabruck, Williamsburg, Matilda, Edwardsburg, Augusta and Elizabeth Town the lines have not been run, and that they must so remain under the present existing resolve of Council of the 30th day of June already mentioned by him.

Mr. Chewet sets forth the irregularity of the concessions which lie between Elizabeth Town and the Township of Pittsburg, and on examining the survey which Mr. Collins produced, the Committee on the face of the plan perceived the errors taken notice of by Mr. Chewet, which, however, may be easily rectified by running the line which is to ascertain the depth of the front concessions at 33⅓ acres parallel to the front of the township, and as for the townships between Lansdown and Elizabeth Town, the Committee conceive a resurvey to be necessary, that their front lines may run parallel to the Great River; and as by that amendment there will remain a triangular tract between Lansdown and the township immediately below it; it may be added to Lansdown.

Mr. Chewet expresses apprehensions that the boundaries of the several townships which have been run by the compass will not be easily ascertained hereafter in case of need, whence great disputes may arise among the proprietors in the townships so run, if it shall be supposed by the surveyor that the variation had been accounted for.

To guard against inconveniences of that nature the Committee humbly recommend that a meridian line be fixed as near the center of every district as may conveniently be, where the surveyors may adjust their instruments.

Upon a supposition of the Board of Luneburg that Mr. McNiff, the Deputy Surveyor, may have certain surveys in his possession which may give light to the board, this Committee presume that on an Order from the Surveyor-General's Office to Mr. McNiff he will transmit to the Chairman of the board at Luneburg all such plans and draughts in his keeping as may be useful to the board together with every information he may be able to give them respecting locations and other land matters.

HUGH FINLAY, in the Chair.

Quebec, 23d June, 1790.

Read the report of the Committee of the whole Council (consisting of His Honour the Lieutenant-Governor, the Chief Justice, Messrs. Finlay, Dunn, Harrison, Collins, Delery, Pownall, Grant, Baby, De Lanaudiere and Dupré) to whom was referred the report of the Land Committee of the 23d of June upon a letter from the Chairman of the Land Office Board for the District of Luneburg.

May it please Your Lordship: The Committee of the whole Council having read the report of the Land Committee referred to them by Your Excellency resolved: That it is expedient to transmit a copy of the report of the Land Committee to the Land Board of Luneburg.

That the Surveyor-General's Office do exhibit plans of the outlines of such a range of townships on the River Rideau as the Land Board of Luneburg may recommend as most convenient to the settlers in that country.

That it be recommended to the consideration of the Land Board of Luneburg to report whether it may not be practicable for the settlers of any township to accomplish the subdivision and survey thereof by surveyors of their own appointment, under general directions to be issued by the Surveyor-General's Office in conformity to the general instructions relative to the disposition of the waste lands of the Crown.

That the Clerk of the Council be directed to transmit a copy of the report of the Land Committee together with a copy of the foregoing resolve to the Land Board of Luneburg for their report thereon.

All which is submitted to Your Lordship's great wisdom.

ALURED CLARKE, President.

Quebec, 27th October, 1790.

Read the following report of the Committee of the whole Council on the report of the Land Committee of the 24th of June last.

May it please Your Lordship: The annexed minute of the proceedings of the Committee of the whole Council on Your Lordship's reference of the report of the Land Committee of the 24th of June states the course which appears to them the most advisable to be followed on the several matters therein contained. Which is nevertheless submitted to Your Lordship's great wisdom.

ALURED CLARKE, President.

Qubeec, 27th October, 1790.

Council Chamber, Bishop's Palace, Quebec, 27th of October, 1790.

In Committee of the whole Council. Present: His Honour Major-General Clarke, Lieutenant-Governor; The Chief Justice, Messrs. Finlay, Pownall, Dunn, Grant, Harrison, Baby, Collins, De Lanaudiere, Delery and Dupré.

Read His Excellency Lord Dorchester's Order and reference of the remainder of the report of the Land Committee of the 24th of June last as follows:

His Lordship caused the Order of the 22d of October, 1788, alluded to in the foregoing report to be read, and the same appearing to require explanation, it was declared by His Lordship with the concurrence of the Council that the benefits intended by the said Order are to extend to all reduced officers without distinction of corps who being entitled to land as such under the King's Instructions of 1783, had actually obtained and improved the same previous to the aforementioned order of the 22d October, 1788.

Ordered by His Lordship with the advice of the Council that the Surveyor-General issue a Certificate of Occupation in the usual form to Joseph Dejarlais for the Lot No. 35 containing one hundred acres in the second concession of the Canadian settlement on the Lake St. Francis in lieu of the half of No. 3, cancelling the certificate issued for the same and marking it vacant. Ordered also by His Lordship, with the advice of the Board that the remainder of the matters contained in the foregoing report be referred to a Committee of the whole Council.

Read also a letter from John Collins, Esquire, to Mr. Secretary Motz dated 30 June last.

Resolved, That it appears to the Committee to be expedient to suspend any decision on the several matters in the report of the Land Committee, until the several Land Boards of Luneburg and Mecklenburg have had opportunity to make such further communication as they may conceive proper, and that the Clerk of the Council with the report to each also transmit a copy of the Order of reference and of Mr. Collins' letter to Mr. Motz.

ALURED CLARKE, President.

Following is a copy of Mr. Collins's letter mentioned in this report, viz.: Sir: Please have the goodness to state to His Excellency Lord Dorchester that in the year 1784 I assigned to Alexander Macdonell a lot of land, to begin two miles below the eastern point of the mouth of the River Cataraqui, I believe it consisted of 200 acres, and in the year 1787 I examined the land opposite Kingston in order to have a road of communication traced between that town and the settlements below, and I found upon examination that the lot marked on the Plan No. 20 was the most proper part for that purpose. Mr. Cartwright, Sen., a very worthy and deserving loyalist, proposed building on the lot and keeping a ferry across the river, for which purpose I gave him a certificate of location.

I am persuaded if that lot is wanted for the use of Government, Mr. Cartwright will cheerfully give it up. He may be recompensed if His Lordship pleases to approve of it, by having a lot of 200 acres lying not a great distance from the former lot, drawn by Mr. Chewett, and since given up, I do not recollect having given any lot on the River Cataraqui to Mr. Aitkin, I find on the plan the proprietor's name of lot No. 10, so much defaced that it is not legible, it is marked "granted," perhaps it may be Mr. Aitkin's.

JOHN COLLINS, D.S.G.

30th June, 1790.

Henry Motz, Esq.

His Lordship taking the said report into consideration is pleased, with the advice of the Council, to approve of the course therein recommended to be taken, and to order as it is hereby ordered that the same be carried into execution accordingly.

Read the following report of the Committee of the whole Council on the report of the Land Committee of the 28th June last (1790) in the following words, viz.:

To His Excellency The Right Honourable Lord Dorchester, Governor-General of the Provinces of Quebec, &c.

Report of the Committee of the whole Council (consisting of His Honour The Lieutenant-Governor, the Chief Justice, Messrs. Finlay, Dunn, Harrison, Collins, Delery, Pownall, Grant, Baby, De Lanaudiere and Dupré) to whom was referred the report of the Land Committee of the 28th of June last.

May it please Your Excellency: In obedience to Your Lordship's commands the Committee of the whole Council have considered the report of the Land Committee of the 28th June, and have resolved to concur with that Committee on all the points in their report expressed, except as to the prayer of the petitions of Pierre Francois, Charles Francois and the Widow Lee, which they unanimously conceive ought not to be granted. Which is nevertheless submitted to Your Lordship's great wisdom.

ALURED CLARKE, PRESIDENT.

Council Chamber, Bishop's Palace,
Quebec, 27th October, 1790.

Read the following report of the Committee of the whole Council on the report of the Land Committee of the 15th of July, 1790.

May it please Your Excellency: The Committee of the whole Council concur with the Land Committee in their report to Your Lordship of the 15th of last July, on the expediency of laying out townships upon the Rivers Rideau and Petite Nation, as proposed by the Land Office Board of Luneburg, and they likewise occur in recommending Messrs. Rankin and Depencier to be assistant Surveyors for that district. All which is nevertheless humbly submitted to Your Lordship's wisdom.

ALURED CLARKE, Chairman.

Quebec, 15th Dec., 1790.

Read the said report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) on the reference of a letter from the Land Office Board for the District of Luneburg, applying for aid in the Surveying Department there.

May it please Your Excellency: in obedience to Your Lordship's Order of reference, the Committee duly considered the letter from the Land Office Board

for Luneburg, dated the 24th June and addressed to Mr. Secretary Motz, stating that if it shall please Your Excellency to approve of their proposal to lay out new townships on the Rivers Rideau and Petite Nation, another surveyor will be necessary to assist Mr. Chewet, and they recommend Mr. Hugh McDonell for that service; and they are further of opinion that even a second assistant will be requisite considering the business to be done in the district, and they recommend Mr. Depencier who was employed last year in surveying.

The Surveyor-General's Office upon communication of the letter from the Land Board of Luneburg observed that as Mr. Rankin was employed last summer in laying out the lands on the Rivers Ottawa and Rideaux, he is considered to be the fittest person to perform that service, and with respect to Mr. Depencier, recommended by the board at Luneburg, no reason appears why he may not be employed.

The Committee concur in the expediency of laying out the townships recommended by the Board, and if it shall please Your Lordship to approve thereof, more aid will be necessary in the Surveying Department in that district, and they join the Surveyor-General's Office in recommending Mr. Rankin and Mr. Depencier as Assistants. All which is nevertheless humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 15th July, 1890.

Messrs. Jessup: Read the report of the Land Committee (present, Messrs. Finlay, Collins and Grant) on the petition of Major Edward Jessup of the late Loyal Rangers, on behalf of himself and Lieut. Edward Jessup of the same Corps, and Mr. James Walker, Surgeon's Mate, of the late 84th Regiment, referred to this Committee as far as relates to the claims of Major Jessup and Lieut. Jessup.

May it please Your Lordship: The petition states that eighteen hundred acres of land remain yet to be granted to Lieut. Edward Jessup as a reduced subaltern, in consequence of Your Lordship's Order in Council of the 22d October, 1788, putting the officers of discharged Provincial Corps on a footing with the officers of the late 84th Regt.; and it further states that Major Jessup has a claim for three thousand eight hundred acres on the same account, and in proof thereof he produced certificates from the Land Office Board of Luneburg.

It appears that Lieut. Jessup has drawn Lot No. 26 in the First Concession, and Lot No. 26 in the Second Concession in Township No. 4 at the River Petite Nation on the south side of the Uttawais River in part of the 1800 acres, due to him, and includes the land he has prayed for on the first fall in the River Petite Nation. He requests that the remaining fourteen hundred acres may be laid off for him on the west side of the second fall in the River Petite Nation so as that the waters of that fall may wash some part of his land, and Major Jessup prays that the three thousand eight hundred acres due to him may be laid off on the east or opposite side of the same (second) fall, to begin at the south westermost corner of a lot in that concession in which the said fall may be found, and running thence northerly sixty-six acres and two-thirds of an acre by the number of lots required to make up three thousand eight hundred acres.

The petitioners further pray for permission to build mills on such parts of the first and second fall, within the limits of their respective grants, as they may find convenient for that purpose.

The Committee in obedience to Your Excellency's Order of reference desired Major Jessup to give in his proposals relative to building mills at the

places mentioned in the petition which he did at the table, in writing, and they are hereunto annexed, obliging himself and Lieut. Jessup to build a grist mill on each of the falls in four years, and a saw mill on each in three years, or sooner, if twenty families shall be settled in the township where the lands are situated.

The Committee having considered the whole matter stated in the petition, together with Major Jessup's proposal, are of opinion that their request for the lands on the second fall may be granted; and as it appears to the Committee that advantages would arise to the public from mills to be built on the first and second fall of the River Petite Nation in the time proposed by Major Jessup, the Committee see no reason why the permission prayed for by the petitioners may not be granted, on condition that if the mills shall not be built within the time proposed the mill-steads together with two acres of land lying conveniently contiguous thereto shall revert to the Crown, and necessary ways shall be left open leading to the mills, if afterwards they may be built by other grantees of the Crown. All which is nevertheless most humbly submitted to Your Lordship's wisdom.

HUGH FINLAY, in the Chair.

Council Chamber, Bishop's Palace,
Quebec, 17th Decem., 1790.

MAJOR JESSUP'S PROPOSALS

Quebec, 17th December, 1790.

Sir: Agreeable to the direction of the Committee that I should make my proposals on the following business, I beg leave to acquaint you that on condition of the conveniences for building mills on the second falls of the Petite Nation and the lands on which they lay being granted to me, I will engage to build a saw mill thereon within three years, and a grist mill within four years from the time of the necessary surveys and titles being made, or when there shall be twenty families settled in the township in which they lay. And I also will engage that my son, Lieut. Edward Jessup, do build a saw mill and grist mill on the first falls of the said River Petite Nation within the said town on condition of like grants being made to him. I am with respect, Sir, Your most obedient, humble Servant. (Signed) EDWARD JESSUP.

The Honourable Hugh Finlay,
President of the Land Committee.

Ordered that the Surveyor-General return a survey of the lands advised to be granted to the petitioners, discriminating the places fit for the erection of mills with two hundred acres contiguous to each, to the intent that the Royal Grants may contain such conditions relative thereto as may effectually secure the construction and due maintenance of the intended mills, and that in default thereof they may as forfeited be subject to the regrant of the Crown.

Friday, the 28th of January, 1791.

At the Council Chamber, in the Bishop's Palace.

Present: His Excellency The Right Honourable Guy Lord Dorchester, Governor; The Honourable Alured Clarke, Esq., Lieutenant-Governor, The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh

Finlay, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, J. G. C. Delery, Charles De Lanaudiere, George Pownall, Le Co'te Dupré, Esquires.

Read a statement of the business proposed by the Surveyor-General's Department for the ensuing season, with an estimate of the expense. Ordered, that it be referred to a Committee of the whole Council.

Thursday, the 3rd February, 1791.

At the Council Chamber in the Bishop's Palace.

Present: His Excellency The Right Honourable Guy Lord Dorchester, Governor; The Honourable Alured Clarke, Esq., Lieutenant-Governor; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, J. G. C. Delery, Samuel Holland, George Pownall, Cha's. De Lanaudiere, Esquires.

Read the State and Estimate of the Expense of business proposed to be done by the Surveyor-General's Department in the ensuing season, and the report of the Committee of the whole Council thereon in the following words:

State of Business proposed by the Surveyor-General's Department for the ensuing season:

District of Luneburg:

1st. To compleat the survey of all the townships fronting on the River St. Lawrence in the said district by extending the lines on the east and west sides, the distance of twelve miles in depth, including such part as has been already surveyed, and fix the boundaries of the interior lots.

2nd. To survey and lay out a township fronting on the north boundary of Charlottenburg, the same to be divided into lots of 200 acres each, to satisfy the inhabitants of Charlottenburg, to whom it is under certificates.

3d. To lay out a township fronting on the north boundary of Cornwall divided into lots as above to satisfy the inhabitants of Cornwall to whom the greatest part of it is under certificates.

4th. To survey and lay out a township on the Petite Nation, to satisfy Major Jessup and others who wish to settle there.

5th. To lay out a township fronting on the north boundary of Elizabeth Town, to satisfy the officers of Sir John Johnson's corps, and others that may wish to settle there.

6th. To survey and lay out a township between the soùth and west branches of the River Rideau to satisfy the officers and others of Edwardsburg, Augusta and Elizabeth Town, who are desirous of settling there.

7th. To survey and lay out a township on the west side of the River Rideau above the junction of the two branches to satisfy a number of loyalists recommended by the Board of Luneburg, and impatiently waiting to begin their settlement.

8th. To survey and run the division line between the Districts of Luneburg and Mecklenburg from the mouth of the River Gananocque, now the Thames, to the shore of the Ottawa River.

District of Mecklenburg:

9th. To survey and mark the front lines of four townships, one on a lake adjoining the Township of Camden, one on the north of Kingston, and two in the intermediate space between the above mentioned, and to carry the side lines of each township back one mile well marked, and likewise to survey and run the second and third concession lines in the Townships of Marysburg, Sophiasburg and Ameliasburg, and to fix the boundaries of the several lots in the said concessions.

District of Nassau:

10th. To survey and mark the front lines of townships from the eastern boundary of the District of Toronto, and to carry the side lines of each township back one mile well marked, and likewise to lay out a Town at Niagara, agreeable to the proposed plan sent up for that purpose.

It is proposed that in a township of twelve miles, containing nine concessions in depth, where the front line is already ascertained, it will only be requisite to run the third concession line, the 5th, the 7th, the 9th, and the back boundary line of the township which will be a saving to Government of one-half of the work. Which is humbly submitted for Your Lordship's consideration.

John Collins, D.S.G.

Quebec, 25th January, 1791.

It is proposed that four surveyors with a party of ten men each will be sufficient to compleat the business of Luneburg during the summer.

That the Surveyor of Mecklenburg is sufficient to compleat the business of that district.

That the Surveyor His Excellency the Governor shall be pleased to appoint for the District of Nassau will be sufficient to compleat the business proposed for that district.

John Collins, D.S.G.

Estimate of expenses it will necessarily require to execute the proposed surveys:

District of Luneburg

Lancaster, Charlottenburg, Cornwall: 1 Surveyor, 60 days at 8/9 per day, £26, 5; 10 men, 60 days @ 2/9 per day, £82, 10.

Oznabruck, Williamsburg, Matilda: 1 Surveyor, 50 days @ 8/9 per day, £21, 17/6; 10 men, 50 days @ 2/9 each, £68, 15.

Edwardsburg, Augusta, Elizabeth Town: 1 Surveyor, 100 days @ 8/9 per day, £43,15. 10 men, 100 days @ 2/9 per day, £137, 10.

Leeds and Lansdown: 1 Surveyor, 44 days @ 8/9 per day, £19, 5; 10 men, 44 days @ 2/9 per day, £60, 10.

To lay out six new townships in the District of Luneburg: 1 Surveyor, 300 days @ 8/9 per day, £131, 5; 10 men, 300 days @ 2/9 per day, £412, 10.

To survey and mark the division line between the Districts of Luneburg and Mecklenburg: 1 Surveyor, 30 days @ 8/9 per day, £13, 2/6; 10 men, 30 days each @ 2/9 per day, £41, 5.

District of Mecklenburg

To survey and mark the front lines of four townships and carry the side lines of each back one mile well marked: 1 Surveyor, 60 days @ 7/6 per day, £22, 10; 10 men, 60 days ea. @ 1/4 per day, £40.

To survey and mark the second and third concession lines in the Townships of Marysburg, Sophiasburg and Ameliasburg: 1 Surveyor, 60 days @ 7/6, £22, 10; 10 men, 60 days ea. @ 1/4 ,£40.

District of Nassau

To survey and mark the front lines of townships from the District of Mecklenburg to Toronto and to carry the side lines of each township back one mile well marked: 1 Surveyor, 60 days @ 7/6 per day, £22, 10; 10 men, 60 days ea. @ 1/4 per day, £62, 10.

To survey and lay out a Town at Niagara: 1 Surveyor, 60 days @ 7/6 per day, £22, 10; 10 men, 60 days @ 1/4 per day, £62, 10. Total, £1,353, 10.

All which is humbly for Your Lordship's consideration.

John Collins, D.S.G.

Quebec, 25th January, 1791.

The Report

To His Excellency The Right Honourable Lord Dorchester, Governor of the Provinces of Quebec, &c.

May it please Your Lordship: The Committee of the whole Council in obedience to Your Excellency's reference of the 28th January have taken into consideration the statement of the business proposed by the Surveyor-General's Department for the ensuing season, together with an estimate of the expense, and beg leave to refer Your Lordship to the minute hereunto annexed for their opinion relative to the business referred. All which is nevertheless humbly submitted to Your Lordship's great wisdom.

Alured Clarke, Chairman.

Quebec, 2d Feb., 1791.

Council Chamber, Bishop's Palace, Quebec, 2nd February, 1791.

At a Committee of the whole Council, at which there were present His Honour Major General Clarke, Lieutenant-Governor; The Chief Justice, Messrs. Finlay, Caldwell, Harrison, Grant, Collins, Baby, Delery, Holland, Pownall and De Lanaudiere.

Read Lord Dorchester's reference to this Committee the 28th January, as follows:

A statement of the business proposed by the Surveyor-General's Department for the ensueing season with an estimate of the expense. Ordered that it be referred to a Committee of the whole Council.

Read a paper dated the 25th of January, 1791, and signed by John Collins, Esquire, the Deputy Surveyor-General, intituled State of business proposed by the Surveyor-General's Department for the ensueing season.

Then read an estimate of the expenses that will be necessarily required to execute the proposed surveys amounting to one thousand three hundred and fifty-three pounds ten shillings; likewise signed by Mr. Collins, the 25th of January.

Resolved: To concur in the proposals from the Surveyor-General's Office, with condition that no work proceed in the nature of the subdivision of a township into lots, except to such a number and extent as the Land Board of the district shall from time to time to the Deputy Surveyor in writing direct; to the intent that no further expense may be incurred than the utility and exigency of this service may require, and it is expected that the Land Boards will give facility and dispatch to the Deputy Surveyors, and failing therein that they be elsewhere employed in the other work to be performed under instructions they may have received from the Surveyor-General's Office.

ALURED CLARKE, Chairman.

His Lordship, with the advice of the Council, is pleased to approve of the foregoing report of the Committee of the whole Board, and to order hereby that the work, therein recommended be carried into execution accordingly, in as far as proper persons can be found for the service, to which end the Surveyor-General's Office is to report a list of names to His Lordship for his approbation and final orders thereon.

Saturday, 5th March, 1791.

At the Council Chamber in the Bishop's Palace there being present His Excellency, The Right Honourable Lord Dorchester, Governor; The Honourable Alured Clarke, Esq., Lieutenant-Governor, and The Honourable Thomas Dunn, William Grant, Edward Harrison, Francis Baby, John Collins, Adam Mabane, Samuel Holland, J. G. C. Delery, Charles De Lanaudiere, Henry Caldwell, Le Comte Dupré, Esquires.

Read the report of the Land Committee on the memorial of the Deputy Surveyor-General, concerning two new townships proposed to be laid out at the back of Cornwall and Charlottenburg, dated the 22d of February last (1791). Referred to a Committee of the whole Council.

Read the report of the Land Committee on the claims of certain disbanded Rangers and loyalists in Hesse, dated 3d January, 1791. Ordered to be entered.

The report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the reference of sundry papers relative to the transactions of the Land Granting Department in the District of Hesse, as far as concerns the settlement of certain discharged Rangers and others at the mouth of the River Detroit.

May it please Your Lordship: In obedience to Your Lordship's commands this Committee have, at sundry meetings, examined the papers that accompanied Your Excellency's Order of reference of the 20th of last October, which contain the transactions of the Land Office Board for the District of Hesse, between the months of August, 1789, and the 13th of August, 1790; and as a report cannot as yet be made on various matters contained in the papers referred to, the consideration of this Committee, they have concluded to lay before Your Lordship without further delay the situation of certain discharged Rangers, loyalists and others, now residing at and near Detroit, which in the opinion of the Committee presses for immediate relief.

The Land Board of Hesse in their Minute of the 11th of last June have stated that these people had drawn lots of the waste lands of the Crown at the entrance of Detroit River where Government was desirous to promote a settlement.

That after they had received certificates for location, but few of them could proceed to clear their lands from want of provisions and tools which they had been taught to expect from Government.

That those among them who had made no improvement by clearing or otherwise, within the year, were deprived of the lots they had drawn, and they were given to other applicants.

That notwithstanding their disappointments in that quarter, the greatest part of the discharged Rangers are still resident in the Settlement, and that some of them having now the means of improving lands desire to obtain lots at the River La Tranche, not far from the mouth of Detroit River, even without the assistance in provisions and tools which other discharged Provincial troops and loyalists had in the lower parts of the Province, and which they conceive they have yet a right to receive from Government.

The Board of Hesse notes upon their minutes the following opinion:

That (all such) discharged Rangers, loyalists and others who can prove to the board that at the close of the war they were by any general or special order of Government entitled to lands, provisions and tools and did actually forego an establishment with those advantages in Nassau or in any of the lower districts to forward a Settlement at the mouth of the River Detroit, promoted by Government, should now be located and provisioned in the same proportion with those who settled below, and if provisions shall now be granted to persons of the above description, it would conduce much to their true comfort and relief that they be issued only monthly, and upon proof that they are actually improving their lands.

This Committee concurring with the Land Office Board of Hesse are humbly of opinion that the discharged Rangers, loyalists and others situated as has been set forth by the Board of Hesse and whose names have been transmitted by that Board to Mr. Secretary Motz (a copy of which is annexed to this report) may obtain grants of the waste lands of the Crown upon the River La Tranche, or in any other part of the tract ceded to the Crown by the Indians in May last, as they may choose; and that they may further obtain provisions in like proportion with those issued to persons of the same description who settled in the lower districts.

And should other people than those contained in the annexed list claim similar assistance on the same grounds, the Committee humbly submit to Your Lordship, whether the Commissary of Provisions may not have authority, upon certificate from the Land Board of Hesse, to serve out provisions to them also. And the Board may be instructed to make a return of the names so added to the list, with the grounds upon which each particular applicant may have obtained certificate from the Board. All which is nevertheless most humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 3d Jan'y, 1791.

List of the names of discharged Rangers, loyalists and others residing at and near Detroit, applying for lands and provisions referred to in the foregoing report.

Belonging to Col. Butler's Rangers: Sergt. Dan'l Fields, Blacksmith, at Capt. McKee's; Sergt. Dan'l McKillip, Farmer, New Settlement†; Corp. And. Hamilton, Labourer, in this Settlement*; Corp. Edw'd Nevill, Labourer, New Settlement; Samuel Newkirk, Farmer, River La Tranche; Patrick Hill, Labourer, Indian Country; Peter Shonk, Farmer, River La Tranche; Jacob Quant, Labourer,

NOTE.—*The words: In this Settlement, mean the Settlement at Detroit.
†New Settlement, means at the mouth of the Detroit River on Lake Erie.

River La Tranche; Thomas Parsons, Labourer, River La Tranche; Patrick Johnson, Labourer, at Capt. McKee's; Elish Wilcox, Farmer, New Settlement; John Cameron, Farmer, New Settlement; William Memger, Farmer, Gross Island; Leonard Scratch, Farmer, Gross Island; Jacob Seagon, at present down at Niagara; Peter Swarh, Voyager, now at Saginah; John Wright, Labourer, River La Tranche; William Yagor, Farmer, River St. Clair; Nathan Lewis, Labourer, River La Tranche; James Empson, Farmer, River St. Clair; Robert Empson, Labourer, River St. Clair; Benj'n Knap, Farmer, New Settlement; Thomas Decker, Labourer, in this Settlement; John Topp, Labourer, in this Settlement; Joseph Springfield, Labourer, in this Settlement; John Clarwater, Labourer, in this Settlement; Jacob Ruhart, Farmer, New Settlement; John Dalton, Farmer, New Settlement; Jacob Arnold, Farmer, New Settlement; Thomas Williams, Blacksmith, River La Tranche; J. Moss, Labourer, New Settlement; Mat'w Dolson, Volunteer, Tavernkeeper, Detroit.

Names of Three Years' men discharged from 8th Regiment: Sergt. Jas. Donaldson, Publican, Detroit; Sergt. John Doclimuile, Trader, Detroit; Richard Earp, Labourer, New Settlement; J. Achford, Labourer, New Settlement; Wm. Duggan, Clerk, Detroit; T. Hall, Labourer, Detroit; Thomas Kidden, Labourer, Detroit; Edward Reddin, Labourer, Detroit; Joseph Windall, Labourer, Detroit.

Names of men belonging formerly to the 84th Regiment: Joseph Winters, Sailor, Naval Department; Butler, Farmer, New Settlement; Timothy Desmond, Sailor, in the Merchant's Service here; John Clark, Sailor, in the Merchant's Service here; John Ronon, Sailor, in the Merchant's Service here; James Robertson, Sailor, in the Merchant's Service here; James Ruff, Farmer, Gross Island; John Barbo, Butcher, Detroit; John Flynn, Sailor, in the Merchant's Service here; Samuel Hall, Labourer, Detroit; Thomas Kelly, Labourer, Detroit; John Goorn, Labourer, River La Tranche; William Harper, Labourer, River La Tranche; John Embry, Labourer, River La Tranche.

Names of Loyalists: Elisha Wilcox, Farmer, New Settlement. Note: (This man ought to have been put down among the names of Rangers, as he belonged to that corps.) Horikiah Wilcox, Farmer, River La Tranche; Morris Wilcox, Farmer, New Settlement; Josiah Wilcox, Farmer, River La Tranche; Hugh Holmes, Farmer, River La Tranche; John Pike, Farmer, River La Tranche; Robert Pike, Farmer, River La Tranche; Robert Sinpless, Farmer, River La Tranche; Gasper Brown, Farmer, River La Tranche; Thomas Clerk, Farmer, River La Tranche; John Hazard, Labourer, River La Tranche; Jacob Hill, Farmer, River La Tranche; Nicholas Seek, Taylor, in this Settlement; Jacob Skeetel, in this Settlement; John Stockwell, Farmer, New Settlement; Jacob Skittle, New Settlement; John Gordon, Farmer, River La Tranche; Thomas McCrea, Taylor, Detroit; Thomas Smith, Publican, Detroit; Isaac Dolson, Farmer, Detroit; Wm. Scott, Sergt., Detroit Volunteers, now a Tavernkeeper in Detroit.

Read the following reports and journals to His Excellency:

The report of the Land Committee consisting of Messrs. Finlay, Collins, Grant and Lanaudiere to whom was referred a letter from the Land Office Board of Mecklenburg, and another from the Board of Luneburg, accompanied with a journal of their proceedings upon the petitions presented to them for grants of the waste lands of the Crown.

May it please Your Excellency: The proceedings of this Committee upon Your Lordship's reference of the 21st of June last, of the reports of the Land Office Boards of Mecklenburg and Luneburg, are contained in the annexed journal,

to which they beg leave to refer Your Excellency; and they humbly submit the whole to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 20th July, 1790.

Journal: At the weekly meeting of the Land Committee on Friday, 2d July, 1790, there being present Messrs. Finlay, Collins and Grant.

Read a letter from the Land Office Board of Mecklenburg to Mr. Secretary Motz, dated at Kingston, the 21st of April, 1790, accompanied with the minutes of that board between the 23d of September last and the 21st April following, together with the original petitions of that period, and with the return of locations made by Mr. Aiken, the surveyor of that district, between the 7th of October, 1789, and the 20th of April, 1790, upon certificates issued from that Board; all which is referred to the consideration of this Committee for report thereon.

The letter contains some remarks on the minutes of Council of the 20th of January last: (1) on the subject of a report from the Board of Mecklenburg of the 23d of September, they think the case of Quarter Master Dies, reported by this Committee on the 25th of November, 1789, deserves to be again considered. The Committee again repeat that Mr. Dies can be put upon no better footing than was the Quarter Master of the 84th Regiment with respect to His Majesty's bounty in lands. On their remark upon what was reported (2) touching Mr. Anderson's claim for an island called Wapoos's, this Committee cannot under the existing arrangements recommend the grant of any island. And upon David Conger's case (3) the Committee are informed by Mr. Collins that he was furnished with ample and satisfactory recommendations from David Colden, Esq., son of Lieutenant-Governor Colden (and other persons well known), that Conger was always a good and faithful loyalist, Mr. Collins without scruple gave him 400 acres, having a wife and seven children, conceiving himself fully authorized so to do, under the instructions from His Excellency Lord Dorchester, and this Committee recommended him for an addition of 200 for himself, but no bounty. The latter likewise states (4): "That the board cannot comply with that part of the Fifth Article of the Regulations of the 17th of Febr'y, 1789, which directs the place of location of all certificates granted by the board to be mentioned, seeing it frequently happens that the petitioner has not fixed on any particular spot, or if he has fixed on a lot it may be found afterwards to be located; so that the place of locating the quantity mentioned in the Board's Certificate is generally left for the surveyor to fill up; it would therefore seem that his (the surveyor's return of the lands granted by him under authority from the board, which will always accompany the board's report) would answer the intended purpose.

By the Fifth Article of the Rules and Regulations of the 17th of February, 1789, the place of location is not required; the respective boards are thereby directed to transmit with the petitions of every period a list expressing the names of the petitioners and the dates of their certificates, and the quantum of the locations.

The board omitted to send a list of the names of the petitioners along with the petitions in the form above described.

The Committee beg leave to suggest an amendment on the petitions, to be returned to the office of the Governor's Secretary. They would recommend that they be regularly numbered, and the name of the district endorsed thereon, the petitioner's name. The report or Book of Minutes of the proceedings in which it is mentioned, to be alphabetically distinguished, and the page of the

report or Book of Minutes, where entered, to be likewise indorsed, together with the number of acres for which the board may have granted certificate to the petitioner.

The number of the petition would likewise be entered on the minute of the board.

In the place of the words "Certificate granted" (on the back of the petition) should the board see fit to reject a petition, the word "Rejected" may be endorsed thereon; and on those upon which the board may conceive themselves to be incompetent (under the instructions) to decide may be indorsed these words, "Referred to His Excellency-in-Council."

It would be desirable to procure a list of all certificates already granted, with their dates, to ascertain the best right, in case of claim by different persons for the same lot; and it does not appear difficult to obtain them by following the mode pointed out by Mr. Collins, the Deputy Surveyor-General, and reported by this Committee the 18th of December, 1789.

The Board of Mecklenburg is in possession of the names of the persons who took the Oath of Allegiance and subscribed the declaration under His Majesty's Instructions of 1783, provided the schedules transmitted to the board from the office of the Governor's Secretary at the opening of the navigation, has reached Kingston.

The plans applied for by the board have been transmitted by the Surveyor-General's Office, except a small part of Marysburg, which was lost by the oversetting of a batteau in the rapids. The Deputy Surveyor-General has wrote to Mr. Aiken, Surveyor of the district, for materials to supply the loss, that it may remain of record here, and a copy be transmitted to the Board of Mecklenburg.

(5) The Committee join the Board in opinion that the additional bounty of 200 acres of land may now be discontinued. The end proposed by His Lordship has been answered, the industrious have applied for and been rewarded by obtaining it. The applications of meritorious and industrious subjects will be attended to by the boards, and reported to His Lordship.

(6) The Committee concur with the board in opinion that those who obtained land as soldiers when yet but boys, upon their settling on their first locations, may obtain certificates for 100 acres more, to put them on a footing with the children of loyalists, under the order of His Excellency-in-Council of the 9th of November last.

(7) The Deputy Surveyor-General observes upon the remark of the Board of Mecklenburg: that some lots upon the plans in their possession are marked with the word "granted" only, without mentioning to whom. That upon examining the original plans, names (as appeared) had been entered, but were not legible; the lots on which such appeared were therefore marked with the word granted, lest they might be granted a second time, excepting the original grantees will come forth with their certificates.

(8) The dimensions of the town lots in Kingston may, under the additional regulation for the conduct of the Land Office Department of the 25th of August, 1789, be regulated by the board there.

At a meeting Friday, 16th July, 1790, there being present Messrs. Finlay, Collins and Grant.

Having gone through the letter from the Mecklenburg Board, the Committee proceeded to examine the minutes which accompanied the letter, together with the petitions therein mentioned for the period between the 23d of September, 1789, and the 21st of April, 1790, likewise a return made of the certificates of

location granted by the surveyor under the authority of the Board of Mecklenburg, between the 7th of October, 1789, and the 20th day of April, 1790.

(9) The Committee concur with the Board in all they have done upon the petitions that were before them now before this Committee, as stated in the minute of their proceedings marked A; but they are of opinion that it may not be necessary in future to enter the names of those who apply to the Board wishing to have their lands in some other district.

(10) The Committee perceive the propriety of the Boards certifying what they know touching the character and pretensions of such petitioners, to give strength to their applications elsewhere.

(11) The Committee also concur with the board in rejecting the petitions of a number of applicants who have without foundation conceived themselves to be entitled to more land than is warranted to be granted by His Excellency's Instructions.

(12) Seventeen petitions transmitted by the board for the decision of His Excellency-in-Council were next considered by the Committee, and first, those of persons who had served as officers in American corps, and have erroneously conceived that it was Lord Dorchester's intention (by His Excellency's Order-in-Council of the 22d of October, 1788) to put the officers of every American corps, settling in this Province, on a footing with the 84th Regt.

The petitioners are:

David McGuin, Lieut. in Colonel Fanning's Corps and afterwards a Captain by Warrant for raising a Company in Delancy's Brigade.

John Josh Harkimer, Commissary in the Indian Department and Captain of Batteaux.

William Atkinson, by Commission Lieutenant in the New York City Militia who arrived in this Province in the station of a Lieut. of Royal Refugees.

Michael Grass, as a Captain of the New York Militia.

Peter Ratten, Capt. of Associated Loyalists or Jersey Volunteers.

John Stinson, Capt. in the King's Rangers; Peter Van Alstine, John Huyck, Paul Huff, Philip Dorland, Barnet Dyre, as officers in Cuyler's Corps of Associated Loyalists.

Paul Trumpour, of General De Lancey's Brigade.

Alexander Fisher, Assistant Commissary, and John Dusenberry, Ensign in the Royal Rangers.

This Committee are of opinion that the prayer of those reduced officers cannot be granted, conceiving that the order of the 22d October, 1788, extends only to the officers of Sir John Johnson's and Colonel Butler's Corps.

(13) David Lockwood admitted by the board to be a settler has received a single lot; he represents that his father, a Sergeant in General Burgoyne's army, died before the peace; the petitioner claims a Sergeant's allowance in right of his father, and the board leave his request to be decided by His Excellency-in-Council. The Committee are of opinion that he is not entitled to any land from Government in right of his father.

(14) James Russel, Artificer, Warranted from the Board of Ordnance, applies for 500 acres, under the instruction of 1783, and for 200 acres under the Order-of-Council of the 9th of November, 1789, in right of his wife, said to be a loyalist's daughter. The board is in doubt whether under a Warrant from the Ordnance he is entitled to 500 acres; the board are of opinion that he does not come within the description of persons intitled to 500 acres under His Majesty's Instructions of 1783.

The board further state that not being prepared to enter on the consideration of his claim for 200 acres in right of his wife, the matter remains in suspense. The Committee presume that if the board shall find the wife of the petitioner to be the daughter of a loyalist under the description in the Order of the 9th November, 1789, that his prayer on that head will be granted.

(15) Adam Segar's claim for 200 acres in right of his wife remains likewise in suspense, under the same circumstances as above.

(16) Joshua Booth states that his father died in New York before the Peace, and he claims 500 acres which he conceives his father would have been entitled to as a suffering loyalist. The Committee do not find, supposing the statement in the petition to be founded, that had the petitioner's father lived to apply for lands he would have been entitled to more than a lot; and they are of opinion the prayer of his petition cannot be granted.

(17) William Casey, a Master Carpenter in the Quarter Master General's Department at New York last war, applies for 800 acres, the Board at Mecklenburg doubt whether as Master Carpenter he is entitled to that quantity. His claim for 200 acres (family lands) is rejected by the Board; and they think that at all events, he is not entitled to more than 500, in which this Committee concur.

(18) Mary Haslip petitions for an allotment of land in right of her late husband as Sergeant in the 84th Regiment who died in 1782. The Land Board observe that they are not furnished with any precedent for the determination of claims of this nature. This Committee are of opinion that she may be admitted as "Settler," and have 200 acres.

(19) John Scout, of Ernest Town, prays for the additional bounty. The Land Board of Mecklenburg, having been informed that the petitioner had sold his improved lot, with a view of removing with his family into the States, are of opinion that it would be contrary to the spirit of their Instructions to grant the bounty in this case. The Committee supposing that the petitioner was admitted as a loyalist who took the Oath of Allegiance, and subscribed the declaration, are of opinion that if he has improved his first lot he is entitled to the bounty.

(20) Stephen Gilbert's petition states that he lost his property and repeatedly risked his life in the service of Government during the last war, and the Land Board set forth that he came into the Province well recommended and that his character is unquestionable. On a certificate of his loyalty from Cadwallader Colden, Esq., Mr. De Lancy, inspector of loyalists, recommended him to Sir John Johnson and Mr. Collins, and 900 acres of land were assigned him for himself, a wife and seven children, of which he has received but 400 acres. He prays for the remaining 500, together with the additional bounty of 200 acres. Considering the Land Board's statement of his case, the recommendation of the board, and that he is in the Commission of the Peace, this Committee humbly advise that the prayer of his petition may be granted.

(21) The Land Board report that the School House stands on Lot No. 72 in Kingston, that the Lots No. 37 and 79 ought to be annexed thereto. And that Lot No. 130 on the opposite side of the street, should be reserved for the purpose of building a house for the Schoolmaster. This Committee, provided no person pretends a right to a preference to any of those lots, perceived the propriety of the representation from the board, and are of opinion that the lots ought to be reserved for the purpose set forth.

(22) It was a question with the Land Office Board of Mecklenburg whether the sons of such persons as have been admitted into the district since 1784 are entitled to 200 acres of land when they apply for it and are able to improve it,

which was afterwards decided by the board in favor of such applicants, seeing that it is evidently the intention of Government to give lands to all persons of good character who are able and willing to cultivate them and have not before received any. In which opinion this Committee concur.

(23) The Board submit for the decision of His Lordship-in-Council, whether the petition of Elizabeth O'Neil (the widow of Lieut. O'Neil of the late Royal Rangers who died in 1784) for 1,200 acres in right of her husband may be granted. The board states that she has received 800 acres including family lands as the husband's proportion under the Instructions of 1783, and that no part of it has been cultivated.

The Committee are of opinion that the Widow O'Neil is not entitled to any further grant of land.

The proceedings of the board, with the original petitions therein mentioned, will be fyled in the Council Office, there to remain as evidence that the grace of the Crown has been craved by the petitioners.

(24) The return from Mr. Aitkin, the Deputy Surveyor for the District of Mecklenburg, contains the names of 65 persons to whom he has given certificates of location between the 7th of October, 1789, and the 20th October, 1790, in exchange for the certificates granted by the Land Office Board to him directed.

This return corresponds with the form pointed out in the Committee's report of the 18th December last, and will be entered on the schedule of locations granted, kept in the Surveyor-General's Office, that the names of the persons having obtained lands may there appear of record, together with the district, the name of the township, the No. of the concession or range of lots in the township where drawn will be marked with the person's name who may have drawn the same, and supposing the same rule to be observed by the Land Boards of the respective districts, the schedules and plans kept by them will be a counter part of those kept in the Surveyor-General's Office.

(25) Read a letter from the Land Office Board of Luneburg of the 8th of April, accompanied by the papers specified in the schedule subjoined to the letter referred to this Committee, who are required to confer with the Surveyor-General's Office, and to report what they appear most expedient to promote the objects of the Land Office Regulations and Instructions, prevent confusion, and give security and tranquility to the settlers.

The schedule referred to, subjoined to the letter from the Board, is as follows:

No. 1. 100 Duplicates of certificates, June 26th, 1789.
2. 28 Duplicates of certificates, Aug't 25th, 1789.
3. 72 Duplicates of certificates, Octo'r 29, 1789.
4. Petitions of persons admitted 26 June and 29 Octo'r, 1789.
5. Petitions of persons admitted 25 Aug't, 1789.
6. A schedule of persons admitted as settlers in the District of Luneburg.
7. Petitions referred to His Excellency Lord Dorchester.

The Committee having considered the matters stated in the letter are of opinion, with the Land Office Board of Luneburg, that it will be expedient to lay out new townships for the accommodation of half-pay officers and others now waiting for lands, as well as those expected from the States in the course of the summer, viz.: two townships on the north branch of the River Rideau, and one on the south branch, and one township on the river called Petite Nation in the

rear of Williamsburg and Matilda. And they concur with the board in the necessity of having an additional surveyor considering the increase of the business in that district.

(26) The board propose four questions and pray for His Excellency Lord Dorchester's opinion thereon for the information and better government of the board.

1st Question: Whether a written abstract from the printed certificates according to the new form transmitted to us will not answer the purpose of duplicates as printed certificates are a very considerable expense to our Clerks who by the late order are obliged to furnish them gratis?

In our report of the 25th of November last, it is stated as the opinion of this Committee that written abstracts from the certificates granted by the Land Boards will be sufficient.

(27) 2d Question: Can the board with propriety either recommend or refer to His Lordship-in-Council the petitions of persons claiming a right to officers' additional land, who never were officers but whose pretensions otherwise may possibly merit some consideration?

The Committee are of opinion on this question that the boards should hear and report fully on all claims that may in their conception, though not provided for by the Instructions, be admissible, and give their opinion under the 5th Article of the Rules and Regulations for the conduct of the Land Office Department of the 17th February, 1789, leaving it to the Governor and Council to decide thereon; reporting at the same time the quantities the petitioners may be entitled to under the Instructions.

(28) 3d Question: Is it His Lordship's intentions that those soldiers who settled and improved, and still continue to improve the hundred acres of land assigned them by the Instructions of 1783 should receive another 100 acres independent of 200 acres bounty in order to put them on an equal footing in the first instance with the new settlers?

On this Quære, the Committee are of opinion that the soldiers mentioned in the question ought to be on no worse footing than the new settlers.

(29) Question 4th: Is it His Lordship's intention that the 50 acres of land formerly drawn by the children of the above description of loyalists should be deducted from the 200 acres lately granted to each of them, when they respectively arrive at a full age?

The Committee are of opinion that it is not the intention of Government that the 50 acres mentioned in the 4th question should be deducted from the 200 acres of land to which the children of loyalists are entitled when they become of age under the order of the 9th of November, 1789.

Having sat down from ten o'clock until half an hour past four, Mr. Collins being much indisposed, could not sit longer.

The Chairman insinuated that the matter before them pressed for report before the departure of His Excellency for Montreal, which he understood would be early next week, and intimated his wish to meet at an early day if Mr. Collins's health will permit, to finish the business before them. It was agreed to adjourn until Tuesday at 10 o'clock.

At a special meeting of the Land Committee on Tuesday, the 20th day of July, 1790. Present: Mr. Finlay, in the chair; Mr. Collins, Mr. Grant and Mr. De Lanaudiere.

(30) The Committee proceeded to compare the petitions with the schedule of the persons admitted as settlers by the Land Office Board of Luneburg, and concurring with the Board in the propriety of having granted certificates entitling

the petitioners to obtain locations for the quantities therein expressed, they considered on examining the schedule transmitted with the petitions that satisfactory abstracts from the certificates is therein contained; for the schedule shews the name of the petitioner, the quantity of land assigned to him, together with the date of the certificate granted by the Board to warrant the surveyor to put the holder in possession of the quantity mentioned in the certificate. The original petitions transmitted together with the schedule will be fyled in the Council Office.

(31) The petitions referred to His Excellency Lord Dorchester were next considered. The petitions of a number of the inhabitants of Augusta and of Matilda state that certificates have been granted upon applications for part of the Commons and Church Lands of those townships, to the great detriment of the public at large; and they pray that no further certificates may be granted for locations in any part of the tracts reserved for Commons or Church Lands, but that they may remain for the uses originally intended.

The Committee not fully comprehending the meaning of the word "common," applied to the Deputy Surveyor-General, Mr. Collins, for information, and find by his answer, that the commons mentioned in the petition are stripes of land about two acres in width lying between and running back the whole depth of the two townships, and left for the convenience of the inhabitants of each township as grazing ground for their cattle in common.

Mr. Collins has not heard nor does he know that certificates have been granted for any parts of any common, or for any part of any glebe, or other tract reserved by the Crown for public uses; and the Committee observe that if any certificates have been granted for locations in any of these reservations, it must have been through mistake, and in their opinion all such certificates are null and void by the Instructions.

(32) Henry Wolery represents that he bought from Ronald McDonell the half of Lot No. 17 in the second concession of the township of Matilda, who had obtained a ticket for it from Mr. McNiff. The Committee had recourse to the schedule of locations in that township kept in the Surveyor-General's Office and find the names of Christopher and Jacob Hawn as proprietors of that lot, each 100 acres, therefore the prayer of the petition cannot be granted.

(33) Catlina Cruikshank, the widow of Alexander Cruikshank, supposing that her deceased husband (who acted as Commissary in the late war, as she represents) was entitled to 2,000 acres of land, and had drawn but 400, conceives that she can of right claim 1,600 more, and applies for it on the River Rideau.

The Committee not being instructed by any remark of the Land Office Board of Luneburg upon this claim conclude that the petitioner has received certificate for as much land as she is entitled to.

(34) Ephraim Eyres states that he served as a soldier, and Captain Sherwood of the Loyal Rangers certifies that he served in his Company, that he was made prisoner and was kept five years by the Enemy, and neither received pay, provisions or cloathing during that period, nor has he had any equivalent since, and the board recommend him for a grant of 200 acres over and above what he has received; in which this Committee concur.

(35) Sabiah Wright, the daughter of Captain Hazard Wilcox who joined General Burgoyne, sets forth that her father raised a Company in New York after the Convention, and was killed in action on the White Plains, that the petitioner's mother died a year after of a broken heart, leaving five orphan children, that having no friends to apply for them for compensation for their father's

losses, they remained without any consideration, and now she prays on behalf of herself, brothers and sisters an allotment of land allowed to a half pay Captain.

She is recommended by the board as an object worthy His Excellency's notice, and the Committee join the board in recommending that she may obtain a grant of 800 acres of land as a reward for her father's services.

(36) Ziba Phillips, late Serjeant in Major Rogers's Corps, represents that he was employed in Secret Services, and the Board of Luneburg having considered his losses, services and sufferings recommend him for two hundred acres of land over and above what he has already received as a disbanded Serjeant, in which this Committee concur.

HUGH FINLAY, in the Chair.

Report of a Committee of the whole Council on the foregoing report to His Excellency: The Committee of the whole Council, having considered report of the Land Committee in obedience to Your Lordship's Order of Reference of the 21st July last in council, beg leave to refer Your Excellency to the journal of their proceedings on that reference hereunto annexed, stating their concurrence in all the matters reported by the Land Committee, except in the case of William Casey, number 17 in the margin of the report, who, in the opinion of this Committee, is entitled to no more than two hundred acres of land. All which is submitted to Your Excellency's wisdom.

ALURED CLARKE, Chairman.

Quebec, 7th Jan., 1791.

Council Chamber, Bishop's Palace, Quebec, 15th December, 1790. At a Committee of the whole Council, upon His Excellency Lord Dorchester's reference of a report of the Land Committee of the 20th July.

Present: His Honour Major-General Clarke, Lieutenant-Governor; Messrs. Finlay, Pownall, Dunn, Caldwell, Harrison, Grant, Collins, Baby, Mabane, De Lanaudiere, Delery and Dupré.

Read the report referred on the 21st of July.

Ordered: That it lie upon the table, that the members of the Committee may consider it, and come prepared to give their opinion on the sundry matters therein contained at the next meeting of the Committee. Adjourned until a call from the Chair.

On Friday, 7th January, 1791, the Committee accordingly met, those present being His Honour the Lieutenant-Governor, The Chief Justice, Messrs. Grant, Finlay, Baby, Harrison, De Lanaudiere, Delery, Pownall and Dupré.

Resumed the consideration of the report of the Land Committee.

Agreed that the paragraphs in the report be numbered in the margin, that it be read paragraph by paragraph, and the voices taken upon each separately.

(1) Mr. Dies's case. This Committee concur with the Land Committee upon the principle, that no person is entitled to additional lands under His Lordship's Order-in-Council of the 22d Octo'r, 1788, and 21st July, 1790, but such, as being entitled to the bounty by the Royal Instructions of the 7th August, 1783, had cultivated and improved their lands.

(2) Anderson's case, concur; (3) David Conger's case, concur.

(4) Remark upon the Forms of the Quarterly Returns of Petitions and Certificates of Location from the Land Boards, in which the Committee concur.

(5) Additional bounty of 200 acres of land, concur.

(6) Discharged Provincial soldiers to have 100 acres of land addition, concur.

(7) Remark on plans, concur; (8) Remark on town lots, concur; (9) Application for lands to be referred to the board where the lands lie, concur; and (10) The same, concur.

(11) Applications for a greater quantity of land than is fixed by the Instructions (rejected by Land Committee), concur.

(12) Application from officers who served in American Corps, to the southward (rejected by Land Committee), concur with the Committee taking into consideration the date of the report in reference.

(13) David Lockwood's case. This Committee concur with the Land Committee.

This Committee also concur in the cases of (14) James Russell, (15) Adam Segar, (16) Joseph Booth, (17) William Casey (entitled to only 200 acres), (18) Mary Haslip, (19) John Scout, (20) Stephen Gilbert, (21) Lots reserved for School House, (22) Sons of Loyalists entitled to lands, (23) Eliz. O'Neil, (24) Return from Mecklenburg conformable to Rules.

This Committee also concurs in the cases of (25) Opinion of the Board of Luneburg on laying out townships, (26) Question answered by the Land Committee, (27) Second question answered, (28) 3d Question answered, (29) 4th Question answered, (30) Schedule from Luneburg, (31) Commons not to be granted, (32) Henry Wolery, (33) Catlina Cruickshank, (34) Ephraim Eyre, (35) Sabiah Wright, (36) Ziba Phillips, and having gone through the report, Resolved, that the journal of this Committee be annexed to their report to His Excellency Lord Dorchester.

ALURED CLARKE, Chairman.

7th January, 1791.

Ordered, that extracts from both journals be transmitted by the Clerk of the Council to the Boards of Luneburg and Mecklenburg for their information, so far as they relate to the business of those districts respectively.

Ordered, likewise, that the Land Committee recommend to the different Boards such mode as they may conceive most expedient to be adopted relative to the numbering and indorsement of the reports and petitions to be expected from them.

Ordered, that the Clerk of the Council apprize the different boards in the Province that they may expect Instructions not to receive any further applications for the additional bounty of 1787 after a certain day to be named, recommending it to them to make the same known in their respective districts, that such persons as conceived themselves entitled thereto may lose no time in bringing forward and establishing their pretensions.

On the petition of Stephen Gilbert, Esq., alluded to in the 20th Article of the journals aforementioned, stating that he has received four hundred acres and praying a further grant of seven hundred acres, His Lordship, with the advice of the Council, is pleased to order that the Surveyor-General report a survey of such number of acres to be granted to him as will upon the whole put him in possession of eleven hundred acres in such part of the District of Mecklenburg as may be open for location, in conformity to the general Rules and Regulations.

On the report of the Land Board of Mecklenburg, alluded to in the 21st Article of the journals aforementioned, His Lordship, with the advice of the Council, is pleased to order that the town lots numbered twenty-two, thirty-two, seventy-nine and one hundred and thirty, in the Town of Kingston, be reserved

for a Common School of the township, provided they remain unappropriated by any prior grant, and that they be marked on the plan and schedule of locations accordingly.

On the petition of Ephraim Eyre, alluded to in the 34th Article of the journals aforementioned, His Lordship, with the advice of the Council, is pleased to order that the Surveyor-General report a survey of two hundred acres to be granted to him, in addition to what he has already received, in such part of the District of Luneburg as may be open for location in conformity to the general Rules and Regulations.

On the petition of Sabiah Wright, daughter of Capt. Hazard Wilcox, alluded to in the 35th Article of the aforementioned journals, His Lordship, with the advice of the Council, is pleased to order that the Surveyor-General report a survey of eight hundred acres to be granted to her, in such part of the District of Luneburg as may be open for location, in conformity to the General Rules and Regulations.

On the petition of Ziba Phillips, late Serjeant in Major Rogers's Corps, alluded to in the 36th Article of the aforementioned journals, His Lordship, with the advice of the Council, is pleased to order that the Surveyor-General report a survey of two hundred acres, to be granted to him in addition to what he has already received as a disbanded Serjeant in such part of the District of Luneburg as may be open for location, in conformity to the general Rules and Regulations.

Read the report of the Land Committee dated the 14th February, 1791, on sundry petitions for grants of the waste lands of the Crown. Ordered to lay it on the table.

Read the petition of Ephraim Sanford, late Captain in the Queen's American Rangers, dated the 25th of August, 1789, and a report thereon from the board at Montreal of the 14th June, 1790. Ordered to lay it on the table.

Read a report of the Land Committee, 17th January, 1791, on the case of certain reduced officers reported by the Land Board of Mecklenburg. Ordered to lay it on the table.

Read a report of the Land Committee of the 5th January, 1791, on the monthly return of persons employed in the Surveyor-General's Office, dated 2d December last. Ordered to lay it on the table.

Thursday, 31st March, 1791.

At the Council Chamber in the Bishop's Palace. Present: His Excellency The Right Honourable Guy, Lord Dorchester, Governor; The Honourable Major-General Clarke, Lieutenant-Governor; The Honourable William Smith, Esquire, Chief Justice; and The Honourable Hugh Finlay, William Grant, Thomas Dunn, Paul Roc De St. Ours, Edward Harrison, Francis Baby, John Collins, Joseph De Longueuil, Adam Mabane, J. G. C. Delery, Samuel Holland, George Pownall, Cha's De Lanaudiere, Picotté De Belestre, R. A. De Boucherville, Henry Caldwell, Le Comte Dupré, Esquires.

Read the report of the Land Committee of the 14th of February, 1791, (consisting of Messrs. Finlay, Collins, Caldwell, Grant and De Lanaudiere), upon sundry petitions for grants of parcels of the waste lands of the Crown referred by His Excellency.

Robert Macaulay of Kingston, in his petition of the 4th July last, states that lot No. 17, which he drew in Township No. 1, now Kingston, proves a mere swamp, unfit for the purposes of agriculture, and prays for 500 acres at

the head of the Bay of Quinté in the District of Nassau in lieu thereof. The Deputy Surveyor-General informs the Committee that lot No. 17 is bad, that there are waste lands at the head of the Bay of Quinte where Mr. Macaulay may have a lot in lieu thereof, as soon as townships shall there be laid out. The Committee considering a certificate which accompanies the petition signed by Capt. Alexander Fraser of the 34th Regiment, stating services performed by the petitioner humbly recommend that he may obtain a grant of 500 acres at the head of the Bay of Quinté as soon as a township shall be set off there, should he not chuse to take the 500 acres he prays for in Sydney which is already surveyed.

Church Wardens, Williamsburg: Read a petition from the Church Wardens of the Lutheran Church in the Township of Williamsburg, District of Luneburg, praying for a vacant space for the purpose of erecting a place of worship thereon. If the scite applied for in this petition shall not, in the opinion of the Land Board of Luneburg, appear to interfere with any of the reserves for public uses in the town plot, nor may otherwise work inconveniences to the inhabitants, this Committee humbly recommend that the prayer of the petition be granted.

R. Cartwright: Richard Cartwright, Jun., Esq., states in his petition that on Lot No. 18 in the first Concession of Ernest Town there is a mill-stead which is nearly in the center of the most populous part of the District of Mecklenburg. That a saw-mill was sometime since thereon erected by Government which stands idle eight months in the year for want of water. That water may be brought to it, but at an expense too heavy to be compensated by the profits from a saw-mill, he prays for a grant of that lot, and he will, if it shall be granted to him, oblige himself to erect a grist-mill there. He will pay for the saw-mill by appraisement should it be thought necessary to annex that condition.

The Committee beg leave to inform Your Lordship that in their report to Your Excellency of the 19th June, 1789, they stated that Richard Clarke represented to be an industrious man and skilful milwright had applied for the same lot in Ernest Town which is now applied for by Mr. Cartwright; but considering that under the eighth regulation of the 17th Feb., 1789, conveniences for mills are reserved to be disposed of by special order of the Governor-in-Council, they represented that if it should please Your Lordship to favour Richard Clarke by a grant of that lot, they conceived that the grist mill, which he should be obliged to erect there, would be of great benefit to the settlers around. The Committee therefore now humbly conceive that if the Land Board of the District perceive no inconvenience to arise therefrom, and if it shall please Your Excellency to give the preference to Mr. Cartwright's petition, the grist-mill which he will undertake to build there would be of very great advantage to the settlers in that part of the district.

The saw-mill now standing on the lot applied for was erected by Government for the benefit of the first settlers in Ernest Town and may, if Your Lordship pleases, be continued on the original footing which was to supply the inhabitants around with planks and boards at a reasonable rate.

Read Nicolas Austin's petition by his Attorney, Isaac Ogden, Esq., stating that he has examined a tract of land lying (Lower Canada) behind Col. Campbell's seigniory which faces the Isle aux Noix, pointed out to him as vacant land fit for the settlement of the petitioner and his associates who prayed for lands in this Province in September last; he finds the land to be unimprovable and for that reason prays to withdraw his last petition, and to make application now for

a tract for him and his associates to begin at the northeast corner of The Honourable Thomas Dunn's seigniory in Misiscoui Bay, near Penneil Mountain, thence running east to Magog Lake, thence north by the lake so far as to contain two townships, then west and then south, to the beginning, referring to a sketch annexed to the petition.

The Committee observe upon this application that the lands described in the petition are comprehended in that tract, near the line 45° which separates Vermont from this Province, and cannot under His Majesty's existing Instructions be at present granted; and further that repeated applications have long since been made by others for the tract now prayed by the petitioners.

Sir John Johnson, Baronet, Isle Cochoy: Sir John Johnson in his memorial states: That he petitioned for Grande Isle nearly opposite to Kingston, and it has since been claimed as private property which he conceives is the reason why the grant has been delayed, and he now prays (that if contrary to the opinion of the Attorney and Solicitor-General, the claim to Grand Isle be found valid) he may obtain a grant of Isle Cochoy, commencing nearly opposite to the east end of Grand Isle, extending from thence nearly opposite to the River Thames, for the reasons set forth in his memorial of the 23d September, 1788, praying for Grande Isle.

The Committee in a former report to Your Lordship stated that the Deputy Surveyor-General had informed them that Your Excellency did not intend to grant any island at that time, yet if it shall please Your Lordship now to grant Sir John Johnson's prayer, this Committee on examining the plans in the Surveyor-General's Office and on hearing the Deputy Surveyor-General, do not foresee any inconvenience that the public could suffer by his obtaining a grant of the Isle Cochov.

HUGH FINLAY, in the Chair.

Quebec, 14th Feb'y, 1791.

On the petition of Robert Macaulay of Kingston: Ordered, that if the petitioner shall have surrendered the lot No. 17 in the Township of Kingston, and obtained the certificate of the Land Board of Mecklenburg of such surrender, and that the lot being marked vacant in the schedule of locations, and the plan of the township, he may apply by a petition in the usual form to the Land Board of the District, in which he may be desirous of forming a settlement for a grant of five hundred acres in a surveyed part of the district, specifying the location, on which the board will report for the future consideration and order of the Governor-in-Council.

On the petition from the Church Wardens of the Lutheran Church in the Township of Williamsburg in the District of Luneburg: Ordered, that the Land Committee inform themselves and make further report on the questions they raise.

Read a report of the Surveyor-General's Office of persons employed in the Surveyor-General's Drawing Room, dated 11th of March instant. Ordered to lie on the table.

Read a report (to His Lordship) of a Committee of the whole Council on a report of the Land Committee of the 22d February, 1791: The Land Committee, in obedience to Your Excellency's Order of Reference, on the memorial of the Deputy Surveyor-General to Your Lordship of the 16th instant, relative to difficulties respecting spaces for reservations for public uses, in two townships intended to be laid out adjoining the Townships of Charlottenburg and Cornwall

in the District of Luneburg, beg leave to refer Your Excellency to their Minute of this day, hereunto annexed, containing the result of their deliberation on the matter contained in the memorial referred. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 22d February, 1791.

The Minute follows:

At a special meeting of the Land Committee on Tuesday, 22d February, 1791, when there were present Messrs. Finlay, Collins and Grant.

Read a memorial from John Collins, Esq., Deputy Surveyor-General, to His Excellency as follows:

The memorialist, John Collins, Deputy Surveyor-General, humbly sheweth: That new townships according to the Regulations established by Your Lordship-in-Council are so to be laid out as to reserve for the Crown, and public uses, a very considerable proportion of each township. That if such reservations are to obtain in the two new intended townships adjoining Charlottenburg and Cornwall, lands actually granted under certificates pledging the faith of Government and probably in part cultivated will be included in the reservations. That those certificates were issued on account of the want of land in the said townships to satisfy the numerous settlers who then applied for farms in that quarter as appears by report to Your Lordship of the 19th December, 1787.

Your memorialist is therefore humbly in Your Lordship's judgment for such further orders and authority in explanation of Your Lordship's pleasure signified in the Instructions to the Surveyor-General's Office of the 14th instant as may concern the surveys and cases of the lots so as aforementioned affected by the certificates issued in 1787. And your memorialist will ever pray.

Quebec, 16 February, 1791.

Read His Lordship's Order of Reference indorsed on the foregoing memorial, in these words: Referred to the Land Committee, who are to hear the Deputy Surveyor-General in explanation of his memorial, inquire into the necessity of the proposed deviation from the general Rules and Regulations, what is the foundation for the supposition that part of the lands in question are probably cultivated, and if they see a necessity for a deviation, to what extent the reservations are still practicable without detriment to the rightful holders of Occupation Certificates pledging the faith of Government and what course may be advisable to suit the exigency of the case, and attain as far as possible the object of the reservations under the general Regulations.

By Order of His Excellency Lord Dorchester.

HENRY MOTZ.

Quebec, 19th Feb'y, 1791.

The Committee having heared the Deputy Surveyor-General in explanation of his memorial and having examined the general plan of the District of Luneburg, together with the particular plans of the Townships of Charlottenburg and Cornwall, understand that in the year 1787, before the Rules and Regulations for the Conduct of the Land Office Department were published, the Township of Charlottenburg (having a front of nine miles) was extended backwards to the depth of twenty-two miles and a half, exceeding by ten and a half miles the depth of any township laid out since the general Regulations were framed; and that the extension was made by the Deputy Surveyor-General for the accom-

modation of loyalists in obedience to instructions which he received from His Lordship, the 4th of June, 1787, conceiving that by the 1st, 2nd and 3d Articles it was His Excellency's intention that that township should be extended back, so as to include a sufficient number of lots to make up to the first grantees their family lands and likewise His Majesty's bounty lands, in order that their property might lie as contiguous as possible.

Cornwall has a front of ten miles and has been extended to the depth of eighteen miles and three quarters for the same reasons which induced the Deputy Surveyor-General to extend Charlottenburg. The Committee further understand that all the lots in those two township have been assigned to discharged soldiers, loyalists and others without reserving a single lot for any public use whatever, except a glebe in the center of each township. The name of the holder of the occupation certificate appears upon the particular plan of each township, and entered upon the lot he has drawn.

The reason assigned by the Deputy Surveyor-General for supposing that a part of the lands in question are probably cultivated is that the length of time those people have been in possession considered, it appears to him more than probable that they have made improvements on their lots; but the Committee are led to consider from statements laid before the Council by the Surveyor-General's Office of the expediency of running the concession lines in every township to enable the holders of certificates to find their lots, that not many settlers will have sat down in the back parts of the townships in question, because that operation is yet to be performed; in that case the necessary reservations in the back parts may yet be practicable, and the mode most advisable and best suiting the exigency of the case is clearly pointed out by the 6th and 7th Articles of the additional Rules and Regulations of the 25th August, 1789.

In order to preserve uniformity in the extent of the townships, it appears to this Committee that the Township of Charlottenburg may be reduced in its depth ten miles and a half; and by adding a mile and a half to that ten and a half miles there may be laid off a separate township; and by reducing Cornwall to a depth of twelve miles and adding five miles and a half to the six and a half miles so proposed to be cut off, another township may be named adjoining to and directly behind Cornwall.

HUGH FINLAY, in the Chair.

The report of a Committee of the whole Council (consisting of His Honour, The Lieutenant-Governor, The Chief Justice, Messrs. Finlay, Harrison, Collins, Delery, Pownall, De Belestre, Caldwell, Grant, De St. Ours, Baby, De Longueuil, Holland, De Lanaudiere and De Boucherville), on a report of the Land Committee of the 22d of February.

May it please Your Lordship: The Committee of the whole Council have taken into consideration Your Lordship's reference of the 5th of this month and the report of the Land Committee hereunto annexed, and humbly report that upon stating the question the Committee were of opinion to concur in the said report, and that the Surveyor-General set off the quantums usually reserved for the Crown, and then those for public uses, and that the residue remain to be disposed of to private petitioners as the regulations direct. All which is nevertheless submitted to Your Lordship's great widom.

ALURED CLARKE, Chairman.

Quebec, 31st March, 1791.

His Lordship approved the report, and ordered that the Surveyor-General's Office carry the advice of the Board into execution.

Wednesday, 8th June, 1791.

At the Council Chamber in the Bishop's Palace. Present: His Excellency The Right Honourable Guy, Lord Dorchester; The Honourable Major-General Clarke, Lieutenant-Governor; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, J. G. C. Delery, Thomas Dunn, George Pownall, Edw'd Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Samuel Holland, Esquires.

Appointment of Land Boards

His Lordship informed the Council that he had continued the appointment of the different Land Boards in the Province until the first day of June, 1793, and communicated a schedule of the persons named with a copy of the letter of appointment addressed to each board which were read:

Schedule of the Land Boards appointed by His Excellency Lord Dorchester to act from and after the first day of May, 1791:

Sir John Johnson, Bart., President of the Land Boards of Montreal, Luneburg, Mecklenburg, Nassau and Hesse, when present.

Montreal: The officer commanding at Montreal, William Rankin, Abraham Pastorius, Joseph Chew, Eli Branson, Arthur Davidson, Esquires, and the officer of the Royal Corps of Engineers stationed at Montreal, if such there is.

Luneburg: Richard Duncan, John McDonnel, Jeremiah French, Justus Sherwood, James Gray, John Munro and Malcolm McMartin, Esquires.

Mecklenburg: The Rev. Mr. John Stuart, Neil McLean, Richard Cartwright, Jun.; James McDonnel, Hector McLean, Esquires, and the officer commanding for the time being.

Nassau: The officer commanding the Upper Posts, Lieut.-Col. John Butler, Peter Tenbrook, Robert Hamilton, Benjamin Pawling, Nathaniel Pettit, Gilbert Tice, John Burch, John Warren, Robert Kerr, John McNabb, Esquires, and the officer of the Royal Corps of Engineers stationed at Niagara for the time being.

Hesse: The officer commanding at Detroit, William Dummer Powell, Alexander McKee, William Robertson, Alexander Grant, St. Martin Adhemar, John Askin, George Leith, Montigny De Louvigny, Esquires, and the officer of the Royal Corps of Engineers stationed at Detroit for the time being.

Gaspé: Nicholas Cox, Esq., Lieutenant-Governor; Felix O'Hara, Charles Robin, Daniel McPherson, François B. De La Fontaine, Pierre Louvert, Henry Rimphoff, Isaac Mann, Esquires.

Copy of a circular letter for the appointment of the different Land Boards, dated Quebec, 3d March, 1791:

Gentlemen: As the authority of the Land Boards, heretofore constituted in different parts of the Province, will expire on the first day of May next, and a continuance of similar powers is expedient for the ease and accommodation of the loyalists, and for the inspection and due execution of all Orders of the Governor-in-Council relative to the Land Granting Department in the respective districts, I have thought proper hereby to appoint you or any five of you to constitute a board for that purpose, within and for the District of———— from and after the first day of May next until the first day of June in the year One thousand seven hundred and ninety-three, unless sooner dissolved.

You will be governed in the exercise of this trust by the Rules and Regulations for the Conduct of the Land Granting Department now extant, and such further orders and instructions as you may receive from time to time. I am with regard,

(Signed) DORCHESTER.

His Lordship added that since the above-mentioned appointment, the Board of Gaspé had been authorized to proceed by a quorum of three members only (Lieutenant-Governor Cox, or in his absence from the district Mr. Felix O'Hara being one) as often as a greater number of members should not attend, after having been duly notified by their President of the day and place fixed for the stated and periodical meetings of the board.

A report of a Committee of the whole Council dated 3d February, 1791, on a letter from the Land Board of Mecklenburg to Mr. Secretary Motz dated 30th June, 1790, read, and ordered to lie on the table.

A report of the Land Committee dated 5th May, 1791, on a petition of Madame Lanaudiere and Madame Verchere, dated 21st February, 1788, read, and ordered to lie on the table.

The returns of persons employed and business done in the Surveyor-General's Drawing Room, dated 1st April, 1st May and 1st June, 1791, read and ordered to lie on the table.

Saturday, 23d July, 1791.

At the Council Chamber, in the Bishop's Palace. Present: His Excellency The Right Honourable Lord Dorchester, Governor; The Honourable Major-General Clarke, Lieutenant-Governor; The Honourable William Smith, Esquire, Chief Justice, and The Honourable Hugh Finlay, George Pownall, Thomas Dunn, Henry Caldwell, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Samuel Holland, J. G. C. Delery, Chas. De Lanaudiere, Esquires.

His Lordship observed that as soon as the business of settling the loyalists and reduced troops on the waste lands of the Crown free of expense should be brought to a conclusion, there could be no further occasion for the employment of extraordinary surveyors in the different parts of the Province at stated daily allowances and that it was reasonable to suppose that all claims to lands of the nature above mentioned were now nearly satisfied.

Upon which it was ordered by His Lordship, with the advice of the Council, that all stated daily allowances now paid to surveyors in different parts of the Province do cease at the close of the work which may be ordered for the next season, and not later than the first day of December, 1792.

Ordered, likewise, that all services hereafter to be performed in the Department of the Surveyor-General be previously authorized upon annual estimates of the expense to be brought forward by the Surveyor-General's Office, and approved by the Governor or Commander-in-Chief for the time being, in Council.

Ordered that copies of this entry be transmitted by the Clerk to the Office of the Surveyor-General, and to the respective Land Boards, for the information and guidance of all persons concerned.

His Lordship informed the Council that he has appointed Peter Drummond and Archibald McDonell, Esquires, members of the Land Board for the District of Luneburg, on the 14th inst.

The reports of the Land Committee of the 5th May and 6th June last on the returns of the Surveyor-General's Drawing Room read, and ordered to lie on the table.

The report of the Land Committee of the 7th June last, concerning instruments in the Surveyor-General's Office, read, and ordered to lie on the table.

The report of the Land Committee of the 13th July instant, on the petitions of Robt. Smith, and of the Lutheran Congregation of Luneburg read, and ordered to lie on the table.

The Return of Persons employed in the Surveyor-General's Drawing Room, dated 1st July, 1791, instant, read, and ordered to lie on the table.

Monday, 15th August, 1791.

At the Council Chamber in the Bishop's Palace. Present: His Excellency The Right Honourable Lord Dorchester, The Honourable Major-General Clarke, Lieutenant-Governor, and The Honourable Hugh Finlay, William Grant, Thomas Dunn, Francis Baby, Edward Harrison, Samuel Holland, John Collins, George Davison, Esquires, Adam Mabane, Sir John Johnson, Bart.; J. G. C. Delery, Chas. De Lanaudiere, Henry Caldwell, Le Cte. Dupré, Esquires.

Read five Returns of Persons employed in the Surveyor-General's Drawing Room, dated the 11th of March, 1st of April, 1st of May, 1st of June and 1st of July, 1791, and ordered to be filed.

Read the reports of the Land Committee upon Returns of Persons employed in the Surveyor-General's Drawing Room, dated the 5th of January, the 5th of May and the 3d of June, 1791, and ordered to be filed.

Read a report of the Land Committee of the 7th of June, 1791, concerning instruments in the Surveyor-General's Office, as follows:

The Land Committee were honoured by Your Excellency's Order-in-Council on the 4th of January last, to report a list of the instruments remaining in the Office of the Surveyor-General, or in the hands of the several Deputy Surveyors, distinguishing those appurtenant to the office from such as may be private property and whether any and what kind of instruments may be wanted for executing the work of that Department with due accuracy, together with an estimate of the probable expense of supplying the deficiency.

The Committee humbly report that by the statement in the Surveyor-General's letter hereunto annexed, it appears that no surveying instruments belong to the Surveyor-General's Office, and that those made use of in his Department are his own property, or the property of his Deputies, who are, as he observes, well provided in general with good horizontal theodolites; and further, that he is not aware that any other instruments are wanted in his Department.

The Committee perceive from the tenor of the Surveyor-General's letter that were a great work in the Surveying Department to be ordered by Government he would be loth to lend his capital instruments for that purpose, but to such person as to his knowledge is skilled in the use of them.

By Mr. Collins's report, which is likewise annexed, it further appears that there's no kind of instruments in the Surveyor-General's Office belonging to Government, and that the Deputies employed furnish their own surveying instruments.

The Deputy Surveyor-General has not as yet (as he intended) been able to report to this Committee the instruments which he thinks Government should provide for the use of the Surveyor-General's Office. All which is humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 7th June, 1791.

Report to the Land Committee:

There's no instruments in the Surveyor-General's Office belonging to Government. The following list are instruments belonging to Mr. Collins, viz.: a theodolite, by Rowley, F.I.;

an acre-meter telescope 3-8 in length, the magnifying powers with eye-glasses for land objects about 50 times, and with those for astronomical uses 80 times. One Hadley's quadrant, one mason's level, one English chain, one French chain.

The Deputy Surveyors and Assistant Surveyors furnish their own instruments for the ordinary business of surveying lands.

Quebec, 4th February, 1791. JOHN COLLINS, D.S.G.

Quebec, 31st January, 1791.

Sir: In answer to yours of the 28th instant requiring me to furnish the Land Committee with a list of the instruments remaining in the Land Surveying Office, and in the hands of the several Deputy Surveyors, I have to inform you that as no allowance of instruments has ever been made to the Land Surveyor-General of the Province of Quebec (Lower and Upper Canada), of course there are no instruments appertaining to his office; those made use of in his Department being the private property either of himself or of his Deputies; and of the number in their possession I can only mention such as were commissioned out from London by me, about six years ago, and sent me by Messrs. Watson and Rashleigh, being six of the best improved horizontal theodolites, for the following gentlemen, viz.: Mr. O'Hara, at Gaspée; Mr. Vondenvelden, Chaleur Bay; Mr. McCarthy, St. Thomas; Mr. Fry, Detroit; Mr. Aitkins, Kingston, and one for my son groved with cross levels. Three more were likewise sent out by me when in England two years ago, and are at present in the hands of Messrs. DePencier, Pennoyer and Bedard, the whole of these instruments have circular protractors of the same divisions and dimensions of the instruments with spare bar-needles agate capped, and I have now ordered out three more, for Messrs. St. Germain, Bouchette and J. Plamondon, exclusive of these there are many other good instruments belonging to the Deputy Surveyors, Mr. Chewet having at some expense provided himself with two sets, and Messrs. William Fortune and Jones with one good one each; also Mr. J. McDonald, and I have seen some at Montreal in the hands of Mons. Papineau and DeLisle.

I am not aware that any further instruments are at present wanted in my Department, but that in a great measure depends on the nature of the work to be performed, and persons employed as I should be loth to trust in any unskilful hands my capital set of instruments consisting of all sorts necessary for carrying on a general survey or making astronomical observations, and made by the best artists in London. They have already been proved by me in settling the longitudes and latitudes in the Northern District of North America as inserted in the Philosophical Transactions and with which Mr. Sproule and Mr. Wright ascertained the longitude and latitude of Gaspée and Isle of Anticosti, as they were much deranged by being removed from their boxes by Mrs. Holland to prevent their being carried off by the Americans while she and family were their prisoners in the year 1776, I was under the necessity of taking the principal ones with me to England, where they underwent a thorough repair in Mr. Ramsden's hands, except a quadrant of the old construction which was left in my office where it has been nearly ruined.

SAMUEL HOLLAND.

Honourable Hugh Finlay, Esq.

Ordered to lie on the table.

Read the following report of the Land Committee on the petition of Ephraim Jones for part of the Common in the Township of Augusta in Luneburg. (Members present: Messrs. Finlay, Collins and Grant.) Ephraim Jones of the Township of Augusta in the District of Luneburg by his petition of the 10th of January last, prays Your Excellency to grant him a part of the Common, twenty rods wide running the depth of the first and second concessions, and adjoining his lands in that township. He states that that tract contains about two hundred acres, and in its present uncultivated condition shades and greatly injures his crops.

The Committee beg leave to observe that upon Your Lordship's reference of an application from a number of the inhabitants of the Townships of Augusta and Matilda, praying that no portion of the grounds set apart for Commons might be granted to individuals, they reported on the 20th of July last year as their opinion, that no part of any Common ought to be granted to any person. The Committee humbly conceive that the prayer of Mr. Jones's memorial is inadmissible, which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY.

22d July, 1791.

His Lordship observed that it appeared to be expedient to inquire whether the spot alluded to in the foregoing report actually was a Common, and upon what authority it was so called, and also whether there were any other tracts in the new settlements of the same description.

Ordered, that the Land Committee make enquiry by communication with the Surveyor-General's Office and the different Land Boards whether there are any such spots, and upon what authority they are so considered, and that they report the result.

Read the following report of the Land Committee:

May it please Your Excellency: The Land Committee beg leave to refer Your Lordship to their Minute of this day hereunto annexed, wherein is stated their opinion relative to a proposal from the Land Office Board of Luneburg, touching a deviation from the General Rules and Regulations laid down for fixing the scites of towns in the townships that may hereafter be laid out, which that Board wishes may be permitted, in laying out four new townships on the River Rideau; which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Minute of the Land Committee:

At the weekly meeting Friday, 5th August, 1791. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant, Mr. De Lanaudiere.

The Chairman called the attention of the Committee to the contents of Mr. Secretary Motz's letter of the 11th of July last, addressed to Mr. Finlay, which had already been read at the Board on the 15th. He observed that tho there lies upon the table many returns from the Land Office Boards of the new districts, which ought to be reported upon according to the dates of the references accompanying them, yet considering the nature of the business contained in the last communications from the Land Board of Luneburg referred to in Mr. Motz's letter of the 11th July, he submitted whether the Committee should not without delay report on the 8th Article of the paper entitled, Remarks and Observations suggested by the Land Board of Luneburg humbly submitted

for the consideration of His Excellency Lord Dorchester, viz.: It is submitted whether a town at the junction of the Forks of the River Reddo, surrounded by four townships, would not answer a good purpose, and in this as well as in some other cases, induce a departure from the established rule.

The Committee considering the same conceive that the proposed deviation should be reported upon immediately, in order that His Excellency's pleasure concerning it may be communicated to the Land Board of Luneburg without delay, if so it shall please His Lordship.

Resolved, that in the opinion of this Committee it is advisable in the present instance to permit a deviation from the General Rules and Regulations for the Conduct of the Land Office Department in laying out townships; they therefore humbly recommend that the scite of a town may be laid off at the Forks of the River Reddo as delineated in a plan drawn by Mr. Chewet, 28th March, 1791, and referred to by the Land Office Board of Luneburg to serve as a town plot in the center of four adjoining townships, two on each side of the main branch of the aforesaid river, the reserves to be sixteen farm lots in the outer corners of each of the said four townships as laid down in the plan.

Ordered, that the Chairman report the Minute of this day to His Excellency Lord Dorchester with Mr. Chewet's plan thereunto annexed.

HUGH FINLAY, in the Chair.

His Lordship, taking the said report into consideration, was pleased, with the advice of the Council, to approve of what is therein recommended to be done, and to order that the same be carried into execution by the Surveyor-General's Department, taking care that there be no diminution of the established reservation of two and thirty farm lots in each of these four townships, and also that a glebe of four hundred acres for a clergyman, and a glebe of two hundred acres for a schoolmaster be set apart in each township adjoining to the common town plot, agreeable to the general Regulations.

Read a report of the Land Committee dated the 10th day of August, 1791, and another report of the same Committee dated the 17th of January, 1791, exhibiting schedules of the claims of certain reduced officers in the Districts of Luneburg and Mecklenburg, to parcels of the waste lands of the Crown under the Orders of the Governor-in-Council of the 22d October, 1788, and the 21st July, 1790, stating the respective quantities still due to each in addition to what they have already received in order to their being put upon an equal footing with the officers of their respective ranks of the late 84th Regiment, agreeable to the intentions of the aforementioned Orders and observing at the same time that the respective Land Boards from whose journals, referred to the Committee from time to time, these claims are selected have omitted to state the names of the townships in which the respective applicants desire to obtain their lands, in the words following, viz.:

May it please Your Lordship: Mr. Secretary Motz in a letter of the 19th of January last informed this Committee of Your Excellency's being desirous that all reduced officers entitled to additional grants under Your Lordship's Order-in-Council of the 22d October, 1788, and 21st July, 1790, should be put in possession of their locations as early in the spring following as possible and for that purpose Your Lordship had commanded the Land Committee to make a separate report of all the cases of that description which are dispersed in the journals and papers transmitted by the Land Boards and under reference to the Land Committee.

The Committee beg leave to set forth that in obedience to Your Excellency's commands signified to them by Mr. Secretary Motz of the 15th of January last, they on the 17th of that month reported the names of a number of reduced Officers of Provincial Corps, residing in the District of Mecklenburg, whom they considered (under the orders of October, 1788, and July, 1790) to be entitled to additional grants as therein stated. And the Committee beg leave now further to report that they have carefully examined the journals and papers transmitted from the different Land Boards, referred to this Committee from time to time, and from those journals have made out a list of the reduced officers who have made applications since that time, which list is hereunto subjoined and shews the number of acres due to each petitioner, to put him on a footing with officers of equal rank of the late 84th Regt.

The Land Boards having omitted to mention in their returns to the office of Your Lordship's Secretary the names of the townships, in which the applicants desire to obtain their lands, the Committee beg leave to submit whether the respective boards may not be instructed to issue certificates of location for the lots which the petitioners may have individually pointed out, provided they do not interfere with prior applications from other persons, nor with tracts reserved for public uses in the respective townships. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 10th August, 1791.

DISTRICT OF LUNEBURG

15th August, 1791.

List of Reduced Officers of Provincial corps residing in the District of Luneburg entitled to additional grants of the waste lands of the Crown, under His Excellency Lord Dorchester's Order-in-Council of 22nd October, 1788, and 21st July, 1790, to put them on a footing with officers of equal rank of the late 84th Regt.:

Corps: Loyal Rangers	Acres received	Due
Captain Thomas Fraser	1,100	1,900
Captain William Fraser	1,100	1,900
Lieutenant Hugh Munro (ranked by General Haldimand as a Captain)	900	2,100
Captain Peter Drummond	1,200	1,800
Captain Justus Sherwood	1,000	2,000
Lieutenant Gideon Adams	500	1,500
Lieutenant John Dulmage	900	1,100
Ensign Roger Stevens	400	1,600
Ensign William Snider	800	1,200
Ensign Elijah Baltum	600	1,400
Ensign T. Sherwood	1,000	1,000
Lieutenant Alexander Campbell	900	1,100
Lieutenant James Campbell	1,000	1,000
Captain James Brakenridge	1,050	1,950
Ensign William Bewel	850	1,150
Ensign David Brakenridge	950	1,050
Ensign John Connolly	700	1,300
R.R.R. of New York		
Lieutenant Thomas Smith	600	1,400
Ensign William Lamson	500	1,500
Captain Joseph Jessup, Loyalists	900	2,100
(Heirs) Lieutenant Peter McLaren, Jessup's Corps	500	1,500
Lieutenant Malcolm McMartin, Roy. Reg. of New York	500	1,500
Captain Francis Hoyle, Queen's Rangers	1,000	2,000

DISTRICT OF MECKLENBURG

	Acres received	Due
Lieutenant Guysbard Sharp, Loyal Rangers	700	1,300
Lieutenant Hector McLean, 84th Regt	1,200	800
Captain Jos Allen, Associated Loyalists	300	2,700
Captain Abraham May, Associated Loyalists	1,000	2,000
Lieutenant Peter Valleau, Associated Loyalists	900	1,100
Lieutenant William Rattan, Associated Loyalists	800	1,200
Ensign Jon. Miller, King's Rangers	200	1,800
Lieutenant Edwd. Cascallen, Peter's Corps	600	1,400
Captain Willm. Johnson, Indian Department	750	2,250
Lieutenant John Richards, Indian Department	700	1,300

HUGH FINLAY, in the Chair.

To His Excellency The Governor-General:

Report of the Land Committee (present: Messrs. Finlay, Grant and De Lanaudiere) on the prayer of certain reduced officers reported by the Land Board of Mecklenburg:

May it please Your Lordship: In obedience to Your Excellency's commands of the 15th inst., signified by Mr. Secretary Motz in a letter to Mr. Finlay, this Committee have again taken into consideration the prayer of certain reduced officers of Provincial corps residing in the District of Mecklenburg, which this Committee on the 20th of July reported to be inadmissible, conceiving that Your Excellency's Order-in-Council of the 22d of October, 1788, extended only to the reduced officers of Sir John Johnson's and Lieut.-Colonel Butler's corps, in which the Committee of the whole Council concurred, taking into consideration the date of that report which had been referred to them.

The Land Committee now considering Your Lordship's Order-in-Council of the 21st of July, which extends the benefits of the Order of the 22d of October, 1788, to other reduced officers of certain descriptions without distinction of corps, humbly report that they conceive the reduced officers whose names are here inserted, and who have received lands under His Majesty's Instructions of 1783, to be entitled to additional grant of the waste lands of the Crown to put them on a footing with officers of equal rank of the late 84th Regiment, viz.:

David McGivern, a Captain in DeLancey's Corps is entitled to an additional grant of 1,950 acres.

Peter Rattan, a Captain in the Jersey Volunteers, to 1,900 acres.

John Stinson, a Captain in the King's Rangers, 2,150 acres.

Peter Van Alstine, Major in Cuyler's Corps, Associated Loyalists, 2,550 acres.

Baret Dyre, a Captain in Cuyler's Corps, Associated Loyalists, 2,150 acres.

John Huyck, a Lieutenant in Cuyler's Corps, 1,200 acres.

Paul Huff, a Lieutenant in Cuyler's Corps, 1,300 acres.

Philip Dorland, a Lieutenant in Cuyler's Corps, 1,400 acres.

Paul Trumpour, Ensign in Delancy's Brigade, 1,350 acres.

John Dussinberry, Ensign in Royal Rangers, 500 acres.

If the petitioning officers of the New York Militia are to be considered as Associated Loyalists, Captain Michael Grass, an Officer of that description, will be entitled to a further grant of 1,750 acres, and Lieut. William Atkinson to 1,250 acres under Your Lordship's Order-in-Council of the 21st of July.

The Committee find by the report of the Land Board of Mecklenburg that John Josh Harkimer, Captain of Batteaux, has obtained lands as a Captain; and Alexander Fisher, an Assistant Commissory, as a Subaltern, under His Majesty's Instructions of 1783.

It does not appear to this Committee that those petitioners are entitled to be put on a footing with the officers of the 84th, yet should it be considered that they have a claim to that extended bounty Mr. Harkimer will be entitled to an additional grant of 1,900 acres, and Mr. Atkinson to 1,300 acres.

All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

Quebec, 17th January, 1791. HUGH FINLAY, in the Chair.

His Lordship, taking the said reports into consideration, is pleased, with the advice of the Council, to approve of the following quantities recommended by the Committee, being granted to the respective petitioners, that is to say, in the District of Luneburg:

To Capt. Thomas Fraser of the Loyal Rangers, 1,900 acres.

To Capt. William Fraser of the same corps, 1,900 acres.

To Lieut. Hugh Munro of the same corps, stated to have been ranked by General Haldimand as a Captain, 1,100 acres, which, with 900 acres already received by him, is in full satisfaction of his claim as a reduced Lieutenant, reserving his further claim of being ranked as a Captain for future consideration upon such proof as he may think fit to adduce.

To Capt. Peter Drummond of the same corps, 1,800 acres.
To Capt. Justus Sherwood of the same corps, 2,000 acres.
To Lieut. Gideon Adams of the same corps, 1,500 acres.
To Lieut. John Dulmage of the same corps, 1,100 acres.
To Ensign Roger Stevens of the same corps, 1,600 acres.
To Ensign William Snider of the same corps, 1,200 acres.
To Ensign Elijah Baltum of the same corps, 1,400 acres.
To Ensign T. Sherwood of the same corps, 1,000 acres.
To Lieut. Alexander Campbell of the same corps, 1,100 acres.
To Lieut. James Campbell of the same corps, 1,000 acres.
To Capt. James Brackenridge of the same corps, 1,950 acres.
To Ensign William Buel of the same corps, 1,150 acres.
To Ensign David Brakenridge of the same corps, 1,150 acres.
To Ensign John Conolly of the same corps, 1,300 acres.
To Lieut. Thomas Smith of the Royal Regiment of New York, 1,400 acres.
To Ensign William Lamson of the same corps, 1,500 acres.
To Capt. Jos. Jessup of the Loyalists, 2,100 acres.
To the heirs of Lieut. Peter McLaren of Jessup's corps, 1,500 acres.
To Lieut. Malcolm McMartin, Roy. Regt., New York, 1,500 acres.
To Capt. Francis Hoyle of the Queen's Rangers, 2,000 acres.

In the District of Mecklenburg:

To Lieut. Guysbard Sharp of the Loyal Rangers, 1,300 acres.
To Lieut. Hector McLean, 84th Regt., 800 acres.
To Capt. Joseph Allen of the Associated Loyalists, 2,700 acres.
To Capt. Abraham May of the same corps, 2,000 acres.
To Lieut. Peter Valleau of the same corps, 1,100 acres.
To Lieut. William Rattan of the same corps, 1,200 acres.
To Ensign Jonathan Miller* of the King's Rangers, 1,800 acres.

*See an application of his devisees in 1806, page 10, Land Book G.

To Lieut. Edward Cascallen of Peter's corps, 1,400 acres.
To Capt. William Johnson of the Indian Department, 2,250 acres.
To Lieut. John Richards of the same corps, 1,300 acres.
To Capt. David McGivin of Delancey's corps, 1,950 acres.
To Capt. Peter Rattan of the Jersey Volunteers, 1,900 acres.
To Capt. John Stinson of the King's Rangers, 2,150 acres.
To Major Peter Van Alstine of Cuyler's corps, Associated Loyalists, 2,500 acres.
To Capt. Baret Dyre of the same corps, 2,150 acres.
To Lieut. John Huyck of the same corps, 1,200 acres.
To Lieut. Paul Huff of the same corps, 1,300 acres.
To Lieut. Philip Dorland of the same corps, 1,400 acres.
To Ensign Paul Trumpour of Delancey's Brigade, 1,350 acres.
To Ensign John Dussenberry of the Royal Rangers, 500 acres.
To Capt. Michael Grass of the New York Milita, 1,750 acres.
To Lieut. William Atkinson of the same corps, 1,250 acres.
To Capt. John Josh. Harkimer, Captain of Batteaux, 1,900 acres.

And the Land Boards of Luneburg and Mecklenburg are enjoined to receive from the respective claimants above mentioned specific descriptions of their locations and to report the same with their opinions thereon, and particularly the grounds of discrimination, from priority of application or otherwise, upon diversities of claims, to one and the same tract, that the Surveyor-General may be enabled to make the necessary returns of survey of the respective tracts to be granted as soon as the lands to be appropriated for the satisfaction of these claims shall be laid out in townships agreeable to the general Rules and Regulations.

Read the report of a Committee of the whole Council dated the third of February, 1791, on a letter from the Land Board of Mecklenburg to Mr. Secretary Motz, dated 30th June, 1790, stating that the objects of this reference are provided for by the Resolutions of the Committee of the preceding day upon the proposals from the Surveyor-General's Office, respecting surveys to be performed in the course of the present year. Ordered to be filed.

Read the following report of the Land Committee to His Excellency: In obedience to Your Excellency's commands, the Land Committee (consisting of Messrs. Finlay, Collins and Caldwell) have considered the joint memorial of the Widow Lanaudiere and the Widow Verchere, dated the 21st of February, 1788, to Your Lordship, setting forth, that a seigneurie situated on the north side of the River Catarakoui of three leagues in front by three leagues in depth was granted by Brevet of Concession to their Brothers, Messrs. DeLongueuil De Gray and De Mericour, deceased, extending from Point Iroquois to include the great Point de la Galette) by their Father the Baron DeLongueuil, Governor-General, and Monsieur DeBigot, the Intendant, on the 12th June, 1752; that they are heirs to their deceased brothers; that from the year 1755 to the year of the Conquest of this country by the British Arms, the war prevented the settlement of the seigneurie; that they have heard their father often say that he had obtained the ratification of the Brevet of Concession.

The Committee likewise considered the report of Jenkin Williams, Esq., Inspector-General of His Majesty's Domain, upon the claim of the petitioners, after he had perused a copy of the Deed of the Grant in question, who therein informs Your Lordship that he had not found that the Brevet of Concession had ever been ratified.

On the whole the Committee humbly report to Your Lordship that it appears to them from the papers before them, that the seigneurie as described in the memorial was granted as therein set forth; but it no where appears that it has ever been confirmed by the Court of France; and as the tract in question is now in the possession of, and settled by discharged troops, loyalists and others, by order of Government, the Committee are of opinion that the prayer of the memorial cannot be granted. All which is nevertheless most humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 5th May, 1791.

Ordered to be laid on the table.

Read the following further report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) on a petition from the Church Wardens of the Lutheran Church residing in the Township of Williamsburg in the District of Luneburg.

May it please Your Excellency: In obedience to Your Lordship's Order-in-Council the Committee on information received yesterday from Richard Duncan, Esq., Chairman of the Land Office Board of Luneburg, touching the application made by the Church Wardens of the Lutheran persuasion, as reported to Your Lordship the 14th February, humbly recommend that they may be permitted to build a church on the easterly half of a strip of land now vacant, and situated in the center of the Township of Williamsburg and that the westerly half of that strip may be reserved for the accommodation of any other religious sect who may be first able to build a place of worship upon it. All which is humbly submitted to Your Lordship's great wisdom.

HUGH FINLAY.

Quebec, 13th July, 1791.

Ordered by His Lordship, with the advice of the Council, that the Surveyor-General return a survey of the spot designated by the Land Committee as vacant, to be set apart for the use of the Lutheran Communion of Williamsburg in the District of Luneburg with liberty to them to erect a church thereon.

Read the following report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant).

May it please Your Lordship: Jacob Scheifflin prays for Lot No. 33 and a half of Lot No. 34 in Carmarthen in Luneburg, to make up the remainder of 500 acres ordered to be laid off for him by His Excellency-in-Council of the 14th July, 1790. The Committee having examined the schedule of the Township of Carmarthen in Luneburg find that the Lots No. 25, 26 and 27 ordered to be laid off for the petitioner are set apart for a glebe, and lands for a schoolmaster so that no part of those lots can be assigned to him, they find from the petitioner's representation that he has received a certificate in lieu of the claim he had on these lots, for a half of No. 34 and for the whole of Lot No. 35, in the 1st Concession, and for Lot No. 35, in the 2nd Concession of that township, which make up his 500 acres, and he further represents that the back of those lands are hilly, inaccessible and unimprovable, and prays for an equal quantity elsewhere to make up for that proportion that is not capable of improvement. The Committee humbly submit whether as there appears no proof before the Committee that the lands drawn by Mr. Scheifflin are bad, his petition may not be transmitted to the Land Office Board of Luneburg, that he may from that

board obtain other lands should those he has received be deemed unimprovable.

Concerning lands purchased, reannexed or reserved by the Crown: His Lordship (adverting to the islands opposite to the Seigniory of Sorel) observed upon the expediency of the Government being apprized of all such tracts and lots of land in the Province as have been either reannexed to the royal domain, purchased by the Crown or ordered to be reserved on account of their utility to the public: Upon which it was Ordered by the Land Committee by communication with the Surveyor-General's Office and the Commanding Engineer inform themselves of all tracts and lots of the description aforementioned, that they report a list thereof, and that in all cases of petitions for grants of land the Committee make it an object of inquiry whether the lands prayed for have been so purchased, reannexed, or reserved to the intent that in all future dispositions of the Crown Lands due attention may be had to the condition of all tracts and lots of the description aforementioned.

Read a return of persons employed in the Surveyor-General's Drawing Room, dated 1st August, 1791, and ordered to lie on the table.

Friday, the 14th October, 1791.

At the Council Chamber in the Bishop's Palace. Present: His Excellency Major-General Clarke, Lieutenant-Governor, and Commander-in-Chief, and The Honourable Hugh Finlay, John Fraser, Edward Harrison, William Grant, John Collins, Francis Baby, Adam Mabane, Samuel Holland, J. G. C. Delery, Le Cte. Dupré, Esquires.

His Excellency caused to be read a report of the Land Committee dated the 14th of February last (1791), entered in the Minutes of the 31st of March, upon the petition of Sir John Johnson, Bart., for a Grant of Isle Cochoy. Ordered, that the same be referred to a Committee of the whole Council to report with all convenient speed.

Read a report from the Land Committee dated the 23rd of September last on the petition of Lieut. McDonell. Ordered, that the same be referred to a Committee of the whole Council, to report with all convenient speed.

Read a report of the Land Committee dated the 13th inst., on the petition of Captain Brant for 3,450 acres lying at the head of Lake Erie adjoining a purchase lately made by the Crown from the Mississaga Indians. Ordered, that it be referred to a Committee of the whole Council to report with all convenient speed.

Saturday, 24th December, 1791.

At the Council Chamber in the Bishop's Palace. Present: His Excellency, Major-General Clarke, Lieutenant-Governor, and Commander-in-Chief; The Honourable William Smith, Esq., Chief Justice, and The Honourable Hugh Finlay, William Grant, Thomas Dunn, Francis Baby, Edward Harrison, Samuel Holland, John Collins, Chas. De Lanaudiere, J. G. C. Delery, Henry Caldwell, Le Cte. Dupré, Esquires.

Additional members to the Board of Mecklenburg: His Excellency The Lieutenant-Governor acquaints the Board that he has appointed Richard Cartwright, Sen., and William Atkinson, Esquires, to be additional members of the Land Board for the District of Mecklenburg.

Read a letter from the Land Board for the District of Hesse to His Excellency Lord Dorchester stating the difficulty of finding two proper persons to be appointed additional members of that board in the following words:

Detroit, 22nd July, 1791.

My Lord: In compliance with Your Lordship's directions signified to us by Mr. Motz's circular letter of 3rd March last, we find it our duty to represent to Your Lordship the great difficulty if not impossibility of finding two loyalists, U.E., whose residence is so near to Detroit, as to expect any aid from their attendance; and should this impediment be even removed we could not recommend two particular objects of the above description suitable for the trust. If therefore the appointment of two members other than loyalists, U.E., is deemed improper, we presume to submit to Your Lordship that three members may constitute a quorum for the Land Granting Department in this district, being now reduced to the actual residence and attendance of only five members, so that the casual absence, and such may be looked for, of any individual prevents the progress of any business, which may be pressed on the board.

In thus offering our opinion on this subject we find a warm impulse to assure Your Lordship that we trust the sentiments which actuate a quorum of any five of us will be found in that of three; and that an equal attention will be paid to that high liberality and equity which has always been the basis of the directions given to this board, and to which they endeavoured rigidly to adhere, while the business was entrusted to three members.

We have the honour to be, my Lord, Your Lordship's most obedient, humble servants.

(Signed) John Smith, Wm. Dummer Powell, John Askin, Geo. Leith, Montigny Louvigny.

His Excellency Right Honourable Lord Dorchester, &c.

The Lieutenant-Governor acquaints the Council he has signified his consent that three members, as formerly, should be considered a quorum for the Land Granting Department in that district.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the petition of Lieutenant-Colonel Butler for lands in Nassau.

May it please Your Excellency: In obedience to Your Excellency's Order of Reference of Lieut.-Colo. Butler's petition of the 5th of September last for a grant of land in the District of Nassau beginning at the southwest corner of a late purchase made by the Crown from the Missessaga Indians, lying between Toronto and the head of Lake Ontario, six miles on the lake, extending back 12 miles, or to the end of the purchase, to compensate him for the loss of 27,000 acres which he held in the Province of New York before the late war, but which have since been confiscated and sold, and were not included in an estimate which he delivered to the Commissioners for examining into the claims of loyalists.

The Committee upon a former reference of a petition from Lieut.-Col. Butler, dated the 12th November, 1787, praying for compensation for the lands mentioned in his last petition, reported on the 28th February, 1788, to His Excellency Lord Dorchester, stating that he valued these lands at £5,720 New York money, but the Committee considering that losses suffered by loyalists in consequence of the late troubles in the Colonies, now the United States, could not be compensated by grants of the waste lands of the Crown, under His Majesty's Instructions at that time existing, did not advise His Lordship to grant the prayer of Lieut.-Col. Butler's petition; and as matters with respect to the grants of lands in this Province remain as they were at the date of this

Committee's last report on the same subject, they are humbly of opinion that his request cannot be complied with. All which is nevertheless humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th October, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins, Grant and De Lanaudiere) dated 29th November, 1791, upon a reference of His Excellency Lord Dorchester, relative to the settlement of the waste lands of the Crown in the District of Hesse.

May it please Your Excellency: In obedience to the commands of the Right Honourable Lord Dorchester, signified to this Committee by Mr. Secretary Motz, in his letter dated 20th October, 1790, addressed to the Chairman and accompanied by sundry papers relative to the Land Granting Department in Hesse, referred to their consideration, they proceeded on the 22nd of that month to enter upon the examination of the papers laid before them, and continued to give that business all possible dispatch; but considering the length of time that this reference has been before the Committee, they beg leave to refer Your Excellency to the journals of the proceedings which state their progress and show the reasons why this business could not be sooner closed.

The Committee have been required to report with due particularity:

First: Upon the causes of the difficulties and impediments which appear to have obstructed the progress of the settlement on the important frontier of Detroit.

Second: The means of removing them, and giving effect to the several instructions issued from time to time respecting the settlement of the waste lands of the Crown in that district.

Third: To report concerning the object and intended use of the reservations in the late Indian cession in favour of the Hurons.

Fourth and lastly: To point out the practicability of such means as may be suggested for satisfying those Indians in any other part of the district and upon what terms.

And proceeding to enquire into the first object of the reference, the Committee find that His Excellency Lord Dorchester had given orders as early as the 15th of May, 1789, to Major Mathews then, commanding at Detroit, to lay out a township to be called George Town, on the east side of the Straight opposite to the Island of Bois Blanc, with directions, to follow, without delay a certain plan sent, but signifying at the same time that no portion of the township was to be disposed of to individuals previous to the satisfaction of the Indians for such claims as they might have to any part of the tract.

It appears further that the scite of the intended township had been ceded by the Huron and other Indians in June, 1784, to certain officers and others of the Indian Department who had served with them during the war; and it appears that His Excellency Sir Frederick Haldimand had, in August, 1784, directed the Lieutenant-Governor of Detroit (Mr. Hay) to give every encouragement to those officers and men to make immediate settlement on that tract, promising that their portions of the gift from the Indians should be confirmed to them in due time by proper deeds according to the King's Instructions.

It appears that in consequence of that encouragement the lands facing Bois Blanc were laid out in allotments and given in possession of those officers and men; and that possession was confirmed by Major Mathews in 1787, in consequence of orders from Lord Dorchester.

That the settlement was advancing until the rations and farming utensils, which had been issued for some time by order of Government to those settlers (loyalists who had served during the war), were withheld, upon which above one hundred young men unable, without that assistance to proceed in their improvements, left their lots.

It further appears from the information given by the Deputy Superintendent of Indian Affairs (Mr. McKee) to the Land Board of Hesse in 1789 that the settlement of the district could not be effected because all the soil was then claimed by the Indian Nations, and by individuals holding tracts under Indian Grants; and that Major Mathews had received orders to see that no settlers should be suffered to sit down in any part of the district before purchase thereof from the natives for the use of the Crown; and it likewise appears from what Mr. McNiff, the Deputy Surveyor of the district, had stated to the Board that no lands had been purchased from the Indians for the Crown before the 26th of May, 1790, consequently no location certificates could have been granted by the Land Board previous to that day, nor could the Board have proceeded to issue certificates previous to the general survey of the tract purchased from Catfish Creek on the north shore of Lake Erie, running along that shore and up the Streight to the River de Chenail Ecarté; which survey was not laid before the Board until the 30th of July, two months after the purchase had been made.

The following reasons have been assigned why but few Settlements have been made between that day and the month of May last:

First: The Land Board has not been able to obtain from the Deputy Surveyor of the district a return of survey of a single township to direct them in granting location certificates.

Second: That if ten farm lots are to be reserved in the Lands of the Crown in all townships situated upon a navigable river or water, as is directed by the Rules and Regulations of the 25th August, 1789, issued for the Conduct of the Land Office Department, a strict adherence to that rule will greatly retard the settlement of such townships because it would prove exceeding inconvenient to the settlers to have a space of more than two miles remaining uncleared between their farms and the river; on this representation from the settlers, the Land Board, as well as the Surveyor of the district, join in opinion with the people; and Mr. McNiff states that if that rule shall be followed up many people now in possession of cultivated farms under grants from the Commandants at Detroit, as well before as after the Conquest, and of those who sat down in the district under Indian grants, will be dispossessed, to the great annoyance of industrious individuals; and further, that if the tract at the River Canard, ceded by the Indians to the Crown in May, 1786, shall be given up to the Huron Indians in consequence of the reservation made in their favour by the Deputy Superintendent of Indian Affairs, their holding that tract will greatly retard the settlement of the lands lying upon and adjacent to the Streight of Detroit, and prove a great annoyance to the inhabitants of the intended County Town opposite to the Isle of Bois Blanc.

Thus having stated the reasons assigned for the slow progress hitherto made in the settlement of the District of Hesse, the Committee next proceed to the second object of the Reference, viz.: The means of removing the difficulties and impediments above enumerated.

They observe that as the main obstruction to the settlement of that frontier appears to have been removed by the late purchase from the Indians of the tract from Catfish Creek commonly called Riviere à la Chaudiere, extending westward to the mouth of the River Chenail Ecarté, it would seem that there

remains but to lay out townships in the most commodious situations in that tract for the accommodation of settlers; and further to direct that the three first ranges of concessions at least may be laid out in the manner recommended by Sir John Johnson in his letter to the Chairman of this Committee of the 27th of January last, so as to prevent difficulty in ascertaining with due precision the different lots therein contained.

It is humbly submitted to Your Excellency whether, considering the objection that settlers generally have to sit down in any place, where their communication with the river is barred by woodlands (as set forth by the Land Board and the Surveyor of Hesse), it might not be advisable to grant all the front farm lots in townships situated on navigable rivers and waters, the reserves to be made elsewhere within the tract, as the best means to draw settlers to the important frontier of Hesse; and further, whether it may not be expedient to confirm to the people now settled upon the River Canard and other places in that district the improved lands they actually possess, whether under Indian grants or otherwise, together with an additional portion of the waste lands appertaining to the Crown adjoining thereto to make a farm of two hundred acres in superficis.

The Committee conceive that it may not be improper under this head to remark upon Mr. McNiff's animadversions on the members of the Land Office Board of Hesse, under a notion that their want of knowledge in the business of land surveying is one of the reasons why the settlement of the district has hitherto been and may still be retarded; and giving his opinion that gentlemen in the commercial line, or having family connexions with persons in traffic, are unfit for a seat at that Board, insinuating that they may be actuated by apprehensions that the settlement of the country might affect the interest of people in trade.

The Committee do not concur with Mr. McNiff in that it is necessary for the members of the Land Office Boards to understand practical surveying. The Rules and Regulations issued for the Conduct of the Land Granting Department are full and explicit, so as to secure the utmost regularity in carrying on that business, where due attention is given thereto by the surveyors and others concerned in the execution thereof.

The Committee consider the gentlemen who compose the Land Board of Hesse to be in every respect adequate to the trust reposed in them by His Excellency Lord Dorchester and well meriting that confidence from their general knowledge from their situations in life, and from their through acquaintance with the true interests of the country in general, and of the District of Hesse in particular.

It appears by the proceedings of that board, which have hitherto been referred to this Committee, they have never lost sight of the interests of the Crown; and they have done their best endeavours to remove every obstruction and obviate every difficulty that appeared to impede the settlement of the important frontier of Detroit.

Third: Upon the third object contained in the Order of Reference, viz.: To point out the intended use of the Reservations in the late Indian Cession. Mr. McKee, the Deputy Superintendent of Indian Affairs, has set forth that it would have been impracticable to obtain from the Indians the extensive tract from Catfish Creek to the River of Chenail Ecarté (which they gave up to the Crown in May, 1790) unless he had agreed to the condition they had stipulated, vizt., that the tract, which had been ceded to the Crown in May, 1786, lying on the River Canard, of seven miles square or thereby, should be given up for the use of the Huron Indians, that he conceived himself vested with full power and

authority to agree to that condition by virtue of Lord Dorchester's Order relative to the purchase to be made from the Indians, "That all possible regard should be had to their ease and comfort."

And Mr. McKee states that the Hurons had ever considered that tract to be essential to their comfort—their sole intention in ceding it in 1786 was to have it put into Mr. McKee's hands to prevent encroachments by the settlers in the neighbourhood. The Committee do not find from any other communication before them the uses proposed to be made of the tract in question.

Fourth: On the fourth and last object of the reference, viz.: The practicability of satisfying the Huron Indians in any other part of the district. The Committee find by a letter from Sir John Johnsons, dated in February last, that he is of opinion it would be difficult to prevail on the Huron Indians to give up the whole of the tract reserved for their use, yet he imagines they may be brought to relinquish as much of it as may answer for the scite of a town. The Deputy Surveyor of the district states that he conceives the Indians may be induced to quit claims totally for a trifling consideration, seeing they may be well provided with land at the River Chenail Ecarté on the northeast shore near the entrance of Lake St. Clair.

The Land Board of Hesse likewise consider that it is practicable to satisfy the Indians, and for that end suggest the expediency of treating with the Chiefs of the Chippawa and Ottawa Nations who were parties as well to the Deed of Cession of the seven-mile tract in May, 1786, as to the Cession of the great tract in May, 1790. The Board at the same time conceive that it may be necessary to allow them a consideration which they probably looked for when they ceded the tract in May 1786, which the Indians do not consider as compensated by the presents made them in 1790.

The Committee beg leave to observe to Your Excellency that although with the Land Board of Hesse they consider the tract ceded by the Indians in May, 1786, to be vested in the Crown, yet as it has been set forth by the Deputy Superintendent of Indian Affairs (who had full power and authority to treat with the Indians for the purchase of the large tract ceded in May, 1790), that he had found it necessary to reserve the tract at the River Canard for the use of the Huron Indians, it appears advisable that the said Reservation be confirmed to them in due form, provided they cannot be induced to relinquish it, but as it has been stated by the Land Board of Hesse and by the Deputy Surveyor of the district that should the tract in question remain in the possession of Indians, the settlement on the Frontier at Detroit would be greatly retarded, and the people who are already fixed there be much incommoded by their neighbourhood, this Committee, on the whole, humbly recommend that Sir John Johnson, the Superintendent of Indian Affairs, may be instructed to direct the Deputy Superintendent at Detroit to do his utmost endeavours to persuade the Huron Indians to relinquish their present claim to the seven-mile tract at the River Canard; and in conjunction with the Land Office Board for the district to hold up as an inducement thereto a grant of a tract of equal extent upon the northeast shore of the entrance of Lake St. Claire, and that they may be vested with joint authority to make such other compensation as may appear necessary to accomplish the great object in view. All which is nevertheless submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 29th November, 1791.

Journal of the proceedings of the Land Committee upon His Excellency The Right Honourable Lord Dorchester's Order of reference of the 20th October, 1790, of certain papers transmitted to the office of the Governor's Secretary by the Land Board of Hesse relative to impediments that have kept back the settlement of the lands on the east side of the Streight of Detroit.

Friday, 22nd October, 1790. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant.

Read Mr. Secretary Motz's letter to the Chairman, words following:

Sir: The papers herewith sent relative to the transactions in the Land Granting Department in Hesse are referred by His Excellency the Governor to the consideration of the Land Committee, who are to make full investigation into the causes of the difficulties and impediments which appear to have hitherto obstructed the progress of settlement in that important frontier, and to report the same with due particularity, with their opinion, on consulting with the Surveyor-General's Office of the best means of removing them, and giving effect to the several instructions issued from time to time respecting the settlement of the waste lands of the Crown in that district.

It having been suggested that the Reservations in the late Indian Cession in favour of the Hurons may be very incommodious to the County Town of Hesse, on that side of the Streight and to the Indians themselves, His Lordship, with a view of serving both them and the common interest, authorizes the Land Committee to correspond with the Land Board of Hesse, as well as with Sir John Johnson and any other persons from whom they may hope for full information concerning the object and intended use of those reservations as well as the practicability of such means as may be suggested for satisfying the Huron Indians in any other part of the district and upon what terms.

And the Committee are in their report to subjoin the whole of their correspondence upon this subject, and make it known to all from whom they may desire any information, that their communications will be put upon the public files of that Branch of the Council Office, which relates to the grant of the waste lands of the Crown. I am, etc.

The papers mentioned in the schedule of the inclosures were laid upon the table:

1. Letter from His Excellency Lord Dorchester to the Commanding Officer at Detroit, dated the 15th May, 1789.
2. Extract from the Minutes of the Land Board of Hesse of the 14th August, 1789.
3. Letter from the Land Board of Hesse to His Excellency Lord Dorchester, dated 28th August, 1789, with three inclosures marked A, B, C.
4. Instructions to the Land Board of Hesse, dated 2nd September, 1789.
5. Letter by Order of His Excellency Lord Dorchester to the Land Board of Hesse, dated 5th October, 1789.
6. Letter from the Land Board of Hesse to His Excellency Lord Dorchester, dated 17th October, 1789.
7. Letter by Command of His Excellency Lord Dorchester to the Land Board of Hesse, dated 21st January, 1790.
8. Report from the Land Board of Hesse, dated 1st June, 1790, inclosing their Minutes to that date.
9. Continuation of the Minutes of the Land Board of Hesse to the 12th August, 1790.
10. Minute of a Council held with the Indians near Detroit, dated the 19th May, 1790.

11. Original Deed of Cession of Indian Territory in the District of Hesse, dated 19th May, 1790, with a plan of the tract endorsed thereon.

12. Letter from the Indian Agent at Detroit, dated 25th May, 1790.

13. Letter from Mr. William Robertson, one of the members of the Land Board of Hesse, dated the 7th June, 1790.

14. Letter from the Acting Surveyor of the District of Hesse to Mr. Deputy Surveyor-General, dated 21st September, 1790, with seven inclosures numbered 1 to 7.

Read a note from Mr. Secretary Motz to the Chairman:

Sir: Mr. Robertson, one of the members of the Land Board of Hesse, being now in town on his way to England, the Committee will have an opportunity of communing with him on the subject of the references now sent respecting that district.

Mr. Robertson, at the desire of the Chairman, attended the Committee, and Mr. Motz's letter of the 20th instant, together with the Minutes of the Land Board of Hesse having been read in his presence, he was requested to inform the Board what he knows relative to a certain portion of land of seven miles square mentioned in the Deed of Cession of a large tract lately made at Detroit to the Crown by the Indians of the Pottawatomie Nation, the Chippawan Nation and the Ottawa Nation on the 19th of May last, which portion of seven miles square is reserved as necessary for the comfort of those Nations and other Indians.

Mr. Robertson replied that he considers the portion supposed to be reserved for the use of the Indians lying within the bounds of the tract ceded by the above-mentioned deed of the 19th of May last, to have been vested in the Crown, by a former Deed granted the 15th May, 1786. He further says he by no means conceived the reserve mentioned to be necessary for the comfort of the Indians now more than it was at the time it was ceded in May, 1786, when the Indians themselves, whose property it then was, voluntarily pressed it upon the Indian Agent, Mr. McKee, as appears by his memorial transmitted to the Land Board of Hesse, and of which he accepted a grant in the name and for behalf of the Crown.

Mr. Robertson observes that if the tract (already the Crown's) were to be given back to the Indians, it would greatly impede the settlement of that important frontier by taking away the means of establishing a Fort and Garrison at the fittest place as pointed out by the Chief Engineer of the Province at the very spot which commands the water communication, being as it were the key to the upper countrys. Were it to be ceded, the chain of settlement would be broken where it ought obviously to be the strongest.

Mr. Robertson further adds that obstructions to the settlements there have been thrown in the way and objections made to the proceedings of the Land Office Board of Hesse by interested persons claiming right to extensive tracts under grants from the natives, which they wish to retain, and so make traffic of the waste land of the Crown, which cannot be held by individuals under any title originating by grant from the Indians.

Mr. Robertson referred to the Minutes of the Land Board of Hesse and to the papers which were transmitted to the office of the Governor's Secretary for the statement of the transaction, relative to the Deed of Cession of the tract in question. Mr. Robertson then withdrew.

Weekly meeting of the Land Committee on Friday, 26th November, 1790. Present: Mr. Finlay, in the chair; Mr. Collins, Mr. Grant. Mr. De Lanaudiere.

The Chairman observed to the Committee that as their time had been

wholly taken up in attending public business previous to the departure of the last ships for England which had long prevented them from attending to the land business, he proposed to get quit of sundry petitions that had been sent in since the 22nd October, the day on which they entered upon the consideration of the transactions of the Land Board of Hesse, before they should resume that business, which was agreed to.

Read again Mr. Secretary Motz's letter addressed to the Chairman of this Committee, dated the 20th October, together with all the papers therein mentioned referred to the consideration of the Committee, viz.: Papers No. 1, 2, 3 with inclosures 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14. The day being far spent in reading those papers, the Committee deferred the further consideration of them until Friday next at ten o'clock.

Weekly meeting of the Land Committee, on Friday, 3rd December, 1790. Present: members as at the last meeting.

Resumed the consideration of the business from the Land Office Board of Hesse and began with the papers noted in the schedule annexed to Mr. Motz's letter or order of reference of 22nd October, conformable to the Resolve at last meeting.

Read a letter from His Excellency Lord Dorchester, No. 1, to Major Close, dated Quebec, 15th May, 1789, with order to lay out a township opposite to the Isle of Bois Blanc, District of Hesse, to be called George Town, with as little delay as may be according to the plan sent; further ordering that claims on the part of Indians to any lands in those parts to be satisfied previous to the disposal of any part of the township of which claims Mr. McKee, Deputy Superintendent of Indian Affairs, to be duly notified, in case Sir John Johnson's orders and instructions to him may have miscarried.

Read Paper No. 2. Extracts from the Minutes of the Land Board of Hesse, 14th August, 1789, where it appears that the land pointed out for the township of George Town was not then bought from the Indians (as Mr. McKee informed the Board), and that he had not received any directions from Sir John Johnson relative thereto, but he gave the Board to understand that the Indians had disposed of that land to certain officers and others who had served with them during the late war by a written Deed, dated the 7th June, 1784. The Board of Hesse forebore to give orders to the Deputy Surveyor of the district to lay out George Town, as they found (by a letter from His Excellency Sir Frederick Haldimand to Lieutenant-Governor Hay of Detroit, dated 14th August, 1784) it was enjoined that all due encouragement should be given to Captains Caldwell and Elliot to settle on that land; meaning the land now pointed out for the scite of George Town.

In consequence of that letter it appears that Lieutenant-Governor Hay did order Mr. Fry to lay out four lots of six acres in front each for Captains Bird, McKee, Caldwell and Elliot; but that those gentlemen at that time actually occupied forty acres (ten each) in front, the whole space opposite to the Isle Bois Blanc, by special promise from the Indians, in the possession of which they were secured so lately as 1787, by Major Mathews, then acting under written Instructions from Lord Dorchester, as the Board of Hesse sets forth; so that they could not under such circumstances press obedience to the Instruction transmitted for laying out George Town.

No. 3..—Read a letter from the Land Board of Hesse to Lord Dorchester, dated 22nd August, 1789, stating that until the arrival of Mr. McNiff, the Deputy Surveyor (which was but lately), they could not proceed to business; that their

progress was obstructed in consequence of information from Alexander McKee, Esq., Deputy Superintendent of Indian Affairs, that none of the lands in Hesse had yet been purchased from the Indians for the Crown, although they had been parcelled out in large grants to individuals by the Indians, so as to leave none unclaimed from Long Point on Lake Erie, all the way to Lake Huron. They therefore postponed the settlement of these lands until the right of soil should be purchased from the Natives. The Board adds, that before they were aware of the difficulty started by Mr. McKee, they had, upon the petitions of individuals (from the States as this Committee apprehend) made promises of grants of lots, on their return with their familes, and that it might be in their power to keep faith with those people (whom they expect next spring) (1790), not doubting but that all impediments would be removed in the course of the winter, the board proposed to direct Mr. McNiff to proceed immediately to the survey of some townships and to number the lots, that the settlers coming in from the States (where the printed Instructions for the Conduct of the Land Office Department are in general circulation) might be immediately settled.

Read a paper marked A (one of three inclosures in the letter above mentioned), being the copy of a letter from Governor Sir Frederick Haldimand, dated 14th August, 1784, to Mr. Hay, Lieutenant-Governor of Detroit, stating that Capt. Caldwell, of Col. Butler's late corps, one of the officers to whom the Hurons and other Indian Chiefs had given a tract of land of seven miles square at the mouth of the River Detroit for the purpose of settling amongst them, had applied to him for his sanction to settle thereon; that though not in his power to gratify the wishes of the persons concerned, and of the Indians on that head, by confirming their gift immediately, yet he considered the intended settlement might prove of infinite utility to the strength and interest of the Province, and therefore wished to give it every encouragement in his power; that he had agreed that His Majesty's loyal subjects dismissed from the service should carry on their improvements, until the land could be laid out and granted according to the King's Instructions. Lieutenant-Governor Hay was directed to give orders for that purpose, and that Mr. McKee should be directed to get the Indians to make over to the King the land in question for the purpose they wished. But it was to be made known at the same time that two thousand yards from the center would be reserved on all sides for the purpose of establishing a Post, which from Captain Caldwell's information would be necessary at the entrance of the river.

Friday, 10th December, 1790. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant.

Read paper marked B (one of three inclosures in No. 3) endorsed: "Letter from Lieutenant-Governor Hay to the Deputy Surveyor, Mr. Fry," being an order to measure off certain lots for the gentlemen designed by the Commander-in-Chief to settle on the lands near the mouth of Detroit River, given by the Indians to the King for that purpose, that they may make improvements to begin at the lower end of Captain Caldwell's field, measuring due south all the way to Lake Erie.

Read paper marked C (another of the inclosures in No. 3) endorsed: "Copy of Instructions from The Right Honourable Lord Dorchester to Major Mathews, 28th August, 1788," directing that every possible encouragement be held out for settling on the east side of the River Detroit, and to discourage (but with prudence and address) those who settle near us on the other side. No settlers on any account to place themselves on land belonging to the Indians, before it shall have been purchased from them for the Crown's use; directing further to report on a number of claims respecting lands and lots in the settlement of Detroit,

upon which houses are built and state the particulars of each, with an opinion thereon, distinguishing those within our line from those without. Also to report the progress made by some loyalists in their settlement on a spot originally proposed for this class of men on the east side of Detroit River and to state his ideas fully of what may be done for its further encouragement, as well as for establishing a military post in that quarter.

Read a letter (marked No. 4) from Lord Dorchester to the Land Office Board of Hesse, 2nd Sept., 1789, instructing the board to consider a tract of land west of Niagara on the banks of Lake Erie and towards Lake Huron; to be surveyed and parcelled out for the accommodation of loyalists and others, taking care to comprehend within that tract all lands possessed or claimed by individuals under pretence of private purchases, or of grants from Indians, on the side opposite to the Post of Detroit, no part of which is to be granted to individuals until ceded to the Crown by the Indians. Mr. McKee, the Officer of the Indian Department, to be called to know the temper and disposition of the Indians, and ascertain the extent of country to be treated for consistent with their comfort; and Mr. McKee will then take the necessary steps to obtain from the Indians their clear and compleat cession to the Crown. Next, the board is to chuse a proper scite on the east side of the Streight of Detroit for a County Town; which, from its preferable situation, is recommended by His Lordship to be opposite to the Island of Bois Blanc, but lest its unhealthiness, or other circumstances may render that situation not eligible, the board will then consult the magistrates, officers of militia and others as to a more proper scite and fix it by a majority of the board so formed, and when so fixed, the Surveyor will proceed to lay out the township, when certificates will be granted for town and farm lots, according to the general Instructions. Directing further that as many settlements have been made in the tract or extent of country above ordered to be surveyed and laid out, under pretence of right derived from grants made by Indians, applications may be received from the occupants for grants, stating the extent and value of the tracts and improvements and the grounds of their claims; and the board are to give certificates including the improvements and to proceed according to general instructions as to all other vacant lands of the Crown.

Read No. 5, letter, 5th October, 1789, from Henry Motz, Esq., to the Land Board of Hesse, referring them to the Instructions of 25th August and 2nd September, which (as he notes could not have reached the board when they sent their report, the 28th August) will serve to obviate the difficulties suggested in their report.

Read No. 6. Letter from the Land Board of Hesse to Lord Dorchester, 17th October, 1789, owning receipt of His Lordship's letter of 2nd September, and stating the impossibility of issuing certificates to individuals because the whole tract of land from Pointe au Playe (Pele) in Lake Erie to Lake Huron (and that for some distance from the water) is occupied or claimed under Indian grants, and setting forth that until the validity of such claims can be decided upon the settlement of the country cannot be effected in conformity to the directions contained in the letter of the 2nd September; therefore praying that the Board may be vested with power to enquire into and settle those claims as they may occur, and to proceed on the guidance of their own judgment in cases where difficulties may start up, that have evidently escaped Lord Dorchester's animadversion, or where delay would be hurtful to the progress of the settlement of the Colony.

Read No. 7. Mr. Secretary Motz's letter to the Land Board of Hesse, dated 21st January, 1790. His Lordship leaves it to the Board of Hesse to use the prudent exercise of their authority in all cases where, on account of the remoteness of the distance, unforeseen circumstances may render it necessary; but His Lordship does not perceive any equitable claims (from the information hitherto transmitted) within any other purchases or cessions, than in that of *June, 1784; consequently the Board will find scope for their trust to operate in every other part of the district. The letter was accompanied with Mr. McKee's Memorial and Deed for the tract ceded† by the Indians to the Crown on the 15th May, 1786, for the consideration and proceedings of the Board agreeably to the general Instructions.

Read a letter, No. 8 (1st June, 1790), from the Land Board of Hesse (consisting of W. D. Powell, William Robertson and Alex'r Grant) to Lord Dorchester, informing His Lordship that they had ordered an early report of a survey of the front of a tract purchased from the Indians, and as soon as they shall be in possession of it they will proceed to grant locations; and further praying His Lordship to obtain from the Indians, for the welfare of the loyalists and of the settlement, an unreserved cession of the tract‡ of the waste land near the church, leaving to them a building for public worship.

This Committee learn from the Minute of the Land Board of Hesse of the 14th August, 1789, that the land intended for the scite of George Town as mentioned in Mr. Motz's letter, 15th June, has not as Mr. McKee informed the board been purchased from the Indians, and that he had then no Instructions from Sir John Johnson to that effect, but he gives information that the Indians had divested themselves of the land in question in favour of certain officers, who had served with them during the war, by Deed of Cession, the 7th June, 1784, and stating that Sir Frederick Haldimand (on the 14th August) had enjoined Lieutenant-Governor Hay to give all due encouragement to Captains Caldwell and Elliot to settle on the land now pointed out for the scite of George Town and that in consequence thereof, forty acres in front being the whole space fronting the length of the Isle Bois Blanc (the intended scite of George Town) was granted by the Indians to officers that had served with them during the war, and the possession of that tract was confirmed in 1788 by Major Mathews, by authority from Lord Dorchester and therefore the board defer any further progress until they shall be instructed how to proceed, supposing that it is not in contemplation to dispossess the present occupiers.

The Board find no waste lands of the Crown within the late purchase, free from Indian claims, or other claims, so that they cannot go on to give locations in terms of the general Instructions, until a purchase is made from the Indians, and the claims of others, under Indian grants are settled, in the tract from Long Pointe in Lake Erie to R. Chenail Ecarté in Lake Huron, but nevertheless they think that Mr. McNiff should be ordered to make a survey of and lay out a range of townships from the center of Long Point moving on round the lake towards the Detroit, or, at the extent of the land allotted by Major Close, moving down the lake to Long Pointe.

By the Minute of the 21st May, 1790, it appears the board were informed by letter from Mr. McKee that a cession of the tract of land west of Niagara on the banks of Lake Erie towards Lake Huron was completed according to the

*Cession to Officers and others of the Indian Department.
†At the River Canard.
‡About a mile in front and 120 acres in depth.

*limits specified in a Resolve of the Board of 7th December, 1789, except the land between the Huron Church and the River au Jervais, being 120 acres in depth, reserved for the Hurons, together with a tract† beginning at the Indian officer's land running up the Streight to the French settlements, seven miles in depth.

Per Minute, 22nd May (pages 24 and 25). The Board seeing the reserves take up the whole of the space proposed for the scite of George Town resolve to inquire of Capt. McKee the reason for admitting those reserves, and to know the intended use thereof. Or if it should be considered that these reasons ought not to be imparted to the board, that then he be directed to communicate the same to Lord Dorchester. Further, that the surveyor be enjoined to report a survey of the front of the tract lately ceded to the Crown marking the boundaries of each township from Long Pointe to the Lake Huron.

In a letter of the 23d May to the board, Mr. McKee informs them that he had found it to be impracticable to obtain so extensive a tract as has been described without paying some attention to the claims of the Indians, besides complying with the express orders of the Governor, viz., "That all possible regard shall be had to their ease and comfort" which would have been materially affected, had not the reserves been made as they were.

The Minute (page 28) states that in the opinion of the board the reserves cannot serve for the comfort of the Indians, and that they cannot be of any utility to them (and in pages 29, 30 and 31), the Board give reasons for that opinion; but the President, Major Murray, objects to the entry in toto, and Mr. Grant to a part of it, as he thinks all information or opinions relative to Indian concerns ought to proceed from the Deputy Superintendent of Indian Affairs, and Major Murray conceives the Land Board of Hesse ought not to presume to advise the Governor on subjects so intimately connected with the Indian Department, and he sets forth that from the reports he has seen from that Department the Governor's Instructions have been executed in the most advantageous manner for the Crown, and that the most effectual means have been adopted for securing the comfort and peace of mind of the Indians, and the undisturbed enjoyment of the farms of the white inhabitants by the Agent for Indian Affairs in the late purchase.

On this information the Land Committee Resolve that the chairman, by the first opportunity, request of Sir John Johnson in the name of the Committee to favour them with his opinion touching the object and intended use of the reservations made in the last grant or cession of lands by the Indians near Detroit in May last, and in order to shew to Sir John how that request is founded, the chairman will at the same time transmit to him a copy of Lord Dorchester's Order of Reference to this Committee of the 20th of October, together with a Copy of Mr. McKee's letter of 25th May to the Land Board of Hesse. And the Committee resolve further that Sir John Johnson be entreated to give his opinion of the best means for satisfying the Hurons in any other part of the district in lieu of the reserves made in their behalf and on what terms, with any other information Sir John may think proper to communicate on the whole scope of the reference.

In the 6th page of the Minutes of the Land Board of Hesse, it is stated that the board after having waited fourteen days after the return of Mr. McNiff, the surveyor, from the survey directed by the board on the 22d May, requested Mr. McNiff's attendance, who informed the board that he had, in obedience to

*At the River Canard.
†From Catfish Creek to R. Chenail Ecarté.

a written order from the Commandant at the Post (Major Murray), proceeded to the survey required by the Minute of the board, but that he could not communicate to the board his progress, which by the general instructions must come to them through the office at Quebec. Upon which the board, on the 2d of July, gave instructions to Mr. McNiff to report a survey of the front of the tract lately ceded to the Crown, beginning at Long Pointe on Lake Erie and continuing it to the commencement of the old French Settlements opposite to Bois Blanc, to be guided in the course of the survey by the Article of the Rules and Regulations for the Land Office Department of the 17th February, 1789, and the 3d Article of Additional Rules and Regulations of 25th August and also instructed him to report a variety of information required by Mr. Motz's letter of the 19th January, 1790, which can only be done through the medium of the Acting Surveyor. The heads of the information required were delivered to Mr. McNiff and pressed upon him for his attention thereto, to enable the board to report upon his information on the subject.

Friday, 31st December, 1790. Mr. Collins still confined to his house, and Mr. Finlay being yet unable to go abroad, it was agreed that Mr. Grant should meet Mr. Finlay the next day, to proceed on the examination of the papers from Hesse.

Saturday, 1st January, 1791. Messieurs Finlay, Grant and DeLanaudiere proceeding to read the papers referred to the Land Committee the 20th October, they took up the Minute of the Land Office Board of Hesse, Paper No. 9, beginning where the Committee had left off the 10th of December (page 15, Minute of the 16th July). The board in that day's Minute declare their intention to make enquiry of the persons interested in the rumours concerning disturbance given by Indians to certain settlers in and about the new settlements who have (as has been said) been threatened by the Indians, that the board may be enabled to inform Sir John on his return from Michilimakinac how that matter stands that a remedy may be applyd to the disorders complained of.

The board went into a full explanation of their objections to the reserve made at River Canard but the further consideration of that matter is referred to the next attendance of Sir John.

Minute of the 30th July. The Deputy Surveyor, Mr. McNiff, starts a difficulty in proceeding on the survey ordered by the board the 2d July. He says there is no point fixed for the beginning or for the ending the survey; and moreover, he does not know the extent of the grants made to or claimed by the Indian Officers opposite to the Island of Bois Blanc, but that if they extend seven miles back they will encroach upon the cultivated farms of other settlers who have had lots granted to them by Government. Captain Elliot informs the board that the Deed to the Indian officers extends seven miles, but he is of opinion that none of the claimants under that Deed will wish to disturb any settler placed by Government within its extent.

The board are of opinion (without deciding on the pretensions of the claimants under the Deed of 7th June, 1784) they may with propriety direct the Deputy Surveyor to begin to run his lines north from the lake at the western boundary of Lot No. 97 in the occupation of John Cornwall and an order of the board was issued to Mr. McNiff accordingly the 30th July, 1790.

By the Minute of the 11th of August, 1790, Sir John Johnson present, the above Order of 30th July was amended.

Minute of 13th August. Major Smith, President. Some means to be adopted to prevent future disputes with the proprietors of water lots for their rear concessions.

Paper No. 10 referred, is the proceedings of a Council held at Detroit, the 19th May, 1790, with sundry Indian Nations upon the cession of a tract of land extending from Lake Erie to the Chenail Ecarté as far as its first southern fork, thence by an east line to the River La Tranche, and along that river until it meets the line of the Missassaga purchase. Mention is made by Major Murray, that such part of the territory which the ancestors of the ceding Indians, granted to the Hurons, as they have found now requisite for the general good, is reserved for their occupation.

This reserve is explained by Egoucheouai, Chief of the Ottawas, the speaker, to be from the Church on the east side of Detroit River, to the River Jervais, as well as a piece of land commencing at the River Canard extending upwards to the line of the inhabitants.

Paper No. 11 is the plan of the tract ceded to the Crown by the Indians. No. 12 is a copy of a letter dated at Detroit, the 25th May, 1790, from A. McKee to Sir John Johnson, Bt., assigning reasons why the reservations of certain tracts of land on the east side of the River Detroit were made for the use of the Hurons in the territory ceded to the Crown by the Lake Indian Nations the 19th May last, viz., The orders of Government for purchasing that tract could not have been carried into execution without these reservations, and without them the Hurons would not have acceded, and the other Indians would not have acquiesed. Mr. Kee further states that the intention and express purpose of the Deed of cession of the tract in question made to the Crown in 1784 was in trust to him, to secure the Indians from encroachments by white settlers. .

Paper No. 13. A letter from Mr. Robertson, a member of the Land Board of Hesse, to Mr. Secretary Motz the 7th June 1790, inclosing a letter which he wrote to Mr. Smith, Clerk of the board, stating that Mr. Smith had told him that he had drawn a Deed of Cession for the land to be purchased of the Indians agreeable to the Minute of the Land Board of 7th December, 1789, without any reservations, but that the Deed had been altered and reservations made without the board's privity, for which reason he requests his name may be taken from the Deed to which he had signed as a witness, thinking that it corresponded with the Minute above mentioned of the 7th December, 1789.

Paper No. 14. A letter from the Deputy Surveyor of the District of Hesse, dated 21st September, 1790, addressed to Mr. John Collins, Deputy Surveyor-General, with 7 inclosures (1 to 7 inclusive). The scope of the letter is to shew the Surveyor-General's Office that the slow progress made to that period in settling the waste lands of the Crown in that distant quarter is not to be attributed to the Surveying Department. The board had no land to grant before the 26th May. They took from that day to the 2d July to form an Order of Survey. He regards three of the members of the Land Board as inadequate to the business (Messrs. Powell, Grant and Robertson), which they themselves on the 10th of August were obliged to own, as he states. They have sat fourteen months without settling a single lot. The first Order of Survey was imperfect and inexplicit, and could not be executed. On the 30th July its defects were made known to the board (excepting that which referred to the General Plan of Survey). There was no direction for the course of the front lines of the lots of the townships to be laid out. If the General Plan is to be carried into execution throughout the settlement of many families will be deranged and ruined. And the board was advertised of this prior to that order of 2d July. He offered his service to assist in making out the orders of survey. His offer was taken amiss by Mr. Powell.

A regular plan of the shore of the country (which the board wanted to be surveyed and subdivided) was laid before the board on the 30th July, and at the same time the plan adopted for the general form of townships fronting on Lakes or Rivers and explained both, to shew the impracticability of carrying their order of the 2d July into effect, without removing the inhabitants, by which they would be to a man ruined; that the new form or plan was intended by Government to take place only where no former settlements had been made. That the people forming the new settlements in question were composed of disbanded soldiers and loyalists, and were settled there by authority from Government in 1787, when ninety-seven lots were laid out in the best manner that could then be done by the best surveyor they then could find (not so professionally); and the faith of Government is pledged to these people for peaceable enjoyment of their lots.

After the second Order of Survey which was more inexplicit than the first (which he communicated to a member of the board, Mr. Robertson), he remained inactive until the 10th August, when Sir John Johnson sat as President of a board called that day. He thinks a person of professional and official knowledge would be a good acquisition to the board; or, that the surveyor of the district may have authority to point out to the board when issuing instructions such things as may be necessary to give clearness and method to their proceedings.

He adds this remark, "until one or other is the case, I dare to affirm the Land Board under the directions of the former three ruling members will not in three years if left to themselves place three families more on the land than are already there."

He assigns three reasons why the present Land Board are unequal to the settling of the country: 1st. Their deficiency in knowledge of the business of the Surveyor-General's Department. 2nd. Persons in trade, or having been in trade, or having family connections in trade will rather retard than forward a settlement which will injure the present trading interest. 3rd. The Land Board is composed of too many individuals—one person only without family connections whose private views he might be led to favour would soon alter the present face of affairs for the better in that country.

Mr. Collins and Mr. Grant considered the report of the Land Board of Hesse (or rather their opinion as stated in the copy of their Minutes) referred by Lord Dorchester to the Land Committee 20th October for report; and having perused the draft of a report on the situation of the rangers, loyalists and others, intended to be presented to Lord Dorchester in Council as the opinion of this Committee. Mr. Collins and Mr. Grant approved it and ordered it to be engrossed and delivered to Mr. Motz this 3rd January, 1791, which was done accordingly. H.F. in the Chair.

Friday, 14th January. The Committee met. Present: Mr. Finlay in the Chair, Col. Caldwell, Mr. Grant. The Chairman submitted the draft of a letter to Sir John Johnson in the name of the Committee, which being read was ordered to be sent.

Quebec, January, 1791.

Sir: By Order of the Land Committee, I have the honour to transmit to you a copy of His Excellency Lord Dorchester's Order of Reference to them of the 20th of October last, together with the Resolve of the Committee of the 10th of December in consequence of that reference.

I have been also charged to request you may have the goodness to inform them of the causes of the difficulties and impediments (if any have come to your

knowledge) that have hitherto obstructed the progress of the settlements on the east side of the Streight of Detroit.

The Committee likewise wish to be favoured with your opinion upon what you conceive to be necessary to effect a regular and full survey of the Crown Lands agreeable to His Majesty's Instructions on that head. They further wish to know whether you do not think that it would be sufficient for the purpose of settling such people as may have come into the Province since the Peace, and of those who may come into it hereafter from the United States with an intention to become settlers under the late Act of Parliament published in the Quebec *Gazette* the 14th October last. The front line of every township shall be run out and well marked and the width of the lots be set off upon that line by stakes or other marks well fixed and numbered, running the side lines of those lots back for a distance of two or three chains perpendicular to or at right angles with the front line, to serve as a sufficient direction for finding any lot in any of the different concessions, or ranges of lots that may be contained within the township.

I have the honour to be, Sir, etc.

Mr. Grant proposed that a letter be written by the Chairman in the name of the Committee to the Land Office Board of Hesse, and the following was accordingly agreed to:

Quebec, 19th January, 1791.

Gentlemen: By order of the Land Committee I have the honour to transmit to you a copy of His Excellency Lord Dorchester's Order of Reference of the 20th of October last and to request information from your board touching the matters stated therein to enable this Committee to report as soon as may be thereupon with due precision as has been commanded.

The Committee likewise wish to know what your board conceives to be such a survey of the waste lands in the District of Hesse as might be sufficient to effectuate their settlement at the least expence to Government. I have the honour to be, etc.

Likewise a letter to Mr. McNiff, the Surveyor of Lands in that district, to be as follows:

Quebec, 19th January, 1791.

Sir: I herewith transmit to you by order of the Land Committee a copy of His Excellency Lord Dorchester's Order of Reference to them of the 20th of October last.

The Committee wish to receive from you as Surveyor in that district, information relative to the difficulties and impediments that may have obstructed the progress of the settlement on the east side of the River, or rather the Streight of Detroit, and that you may give them your opinion as to the best means of removing those impediments if any remain. I am, Sir, etc.

Resolved that the further consideration of the matters contained in the reference now before this Committee upon the Land Office business of Hesse, dated the 20th October, be postponed until answers can be received from Sir John Johnson, the Land Board of Hesse, and Mr. McNiff, the Surveyor.

Friday, 4th February, 1791. Present: Messrs. Finlay, Collins, Caldwell, Grant and De Lanaudiere.

Mr. Finlay laid before the Committee Sir John Johnson's letter of the 27th January in answer to one of the 19th, written by direction of the Committee:

Letter from Sir John Johnson

Montreal, 27th January, 1791.

Sir: I have the honour to acknowledge the receipt of your letter, by order of the Land Committee of the 19th instant, inclosing a copy of Lord Dorchester's Order of Reference to them of the 20th of October last, together with the Resolve of the Committee of the 10th of December in consequence thereof, which I would have answered by the return of the post, but for the departure of the express on that day for the Upper Districts.

I have the honour to observe in answer to your request in consequence of the Resolve of the Committee, that, as my opinion must be founded more upon official information than any other knowledge I could have acquired on the subject, I cannot give the Committee more satisfaction than by transmitting for their information a copy of a letter from Alexander McKee, Esq., Deputy Agent of Indian Affairs, on the subject and to which I beg leave to refer them.

From the best information I was able to collect, when in the District of Hesse, of the causes of the difficulties and impediments that had obstructed the settlement on the east side of the Streight of Detroit, I found the following to be the principle, viz.: The not continuing to give permission to loyalists and emigrants from the States to take up lands, in the manner that had been authorized and practiced by Major Mathews and Major Close on the land, ceded to the Indian officers, etc., by the Indians previous to the establishment of the Land Boards, surveys of which had been made under the direction of one or both of those gentlemen, but were not considered as valid by the Land Board, as they did not conceive the land legally vested in the Crown, nor the Surveyor properly qualified to act, consequently no certificates for land would be granted, till the late purchase and a proper survey thereof could be made, which naturally put a stop to all further progress of the settlement until these ends were obtained —a lapse of time of near sixteen months took place before any part of the survey was made, and in the interim some of the emigrants from the States, in order to support their families, purchased lands, and are settled, as I have been informed, on both sides of the Treaty line, and some who came in last year were obliged to return to the States, after having expended the little property they brought with them. There can be no other method adopted, in my opinion, to effect a regular and full survey of the Crown lands than by employing a sufficient number of surveyors, and laying out the townships from front to rear, which I conceive to be agreeable to the King's Instructions on that head. No lines marked in the manner suggested by the Committee will answer; they have been tried, and only serve to create confusion and disputes among the settlers, and will be the cause of much future litigation. Perhaps, as the demands for land are not so great as heretofore, the running of two or three concessions, or more according to the population of the township might answer for the present. The present mode of laying out the townships on navigable rivers will totally overset the design of settling the country, as the whole of the front except two lots is laid out in a town plot and reserves, by which means the whole face of the country would remain in wilderness, unless we are to suppose that cities and towns will rise up much faster than hitherto, now that the emigration from the States has been checked, and that Government will occupy the reserves, or grant them to persons who will make immediate improvements on them. Such town plots might answer very well where good harbours or favourable situations may offer, and may be proper for, or likely to become a County Town, or might answer in an

inland country, but will never do on a navigable river. Thus I have endeavoured to give the Committee every information that the time would allow of, and I shall be happy if it proves any way serviceable to them or the publick. I have the honour to be, etc.

LETTER FROM ALEXANDER MCKEE

Detroit, 25th May, 1790.

Sir: In my letter dated the 21st instant I informed you of the purchase being completed from the natives to the Crown, the particulars of which I shall now more fully make known to you.

The reasons for acceding to the reservation of land in favour of the Indians in the late purchase of the country (the limits of which I stated in my last) are, that the Hurons have been in possession of a tract of land situated between the Huron Church and the River au Jarvais, about one mile in front, on which they erected a village, and another tract situated at the Riviére au Canard, between the Indian officers' land and the French settlement, about five miles in front, where they have another village erected, in which places they enjoyed many years' peaceable and uninterrupted possession by and with the unanimous consent of their confederates, the Lake Indians, which at this time it was discovered they had no inclination to cede,—and to persist in it, had a tendency of interrupting the unanimous consent of the nations concerned, to acquiesce in the request of the Crown.

Therefore to continue the good faith of those nations as well to each other, as to convince them of the justice of Government, it was thought expedient to secure to them the enjoyment of the tracts reserved, which they now occupy.

That it is expressly ordered by His Excellency the Governor that all possible regard shall be had to the ease and comfort of the Indians, which would have been materially affected, had not the reserve been made.

That the reserve has served as a bond of confidence among the nations concerned and has greatly confirmed and strengthened their union, besides securing an unreserved attachment to Government, for a proof so unequivocal of its tenderness towards them. That the orders of Government could not be carried into effect had the reserve not been made, the Hurons having absolutely refused to accede to relinquish their possession, and the other Indians having publicly declared in Council, that they expected as a condition for their acquiescence in ceding their territory, that this tract should be reserved for their use, in which had they not been gratified the cession could not have been made in the unanimous and complete manner it has been done in testimony of which they delivered strings of wampum. That the intention and express purpose of the Deed of Cession to the Crown in 1784, of this tract was in trust to me, to secure the Indians from encroachments, being convinced they would be disturbed in their possessions, which eventually must have produced troubles between them and the white inhabitants. And to evince to the truth of this, I have no objections, to relinquish any interest or claim to the said tract for the public good.

It may be proper to observe that the reserve in question has been attended with the most happy effects, having compleatly reconciled any discontent that might have subsisted amongst them.

From which it may, I presume with reason be concluded, that to grant the reserves in question was not only necessary but a humane and politic measure.

That the body of the Hurons have been well known for their attachment to Government by their bravery and services during the late war, having lost many of their principal men when acting in conjunction with the King's troops, to

which I was a witness. Although it may be possible there may be some discontented amongst them, yet in general no nation have been more attached.

That the deputation of the said nations intended to go to Canada some time ago—the Hurons particularly, respecting their claims, to have the matter settled before you and His Excellency, the Governor, and the idea of which they have yet not altogether laid aside.

I have the honour to be, etc. A. McKee.

Montreal, 25th Jan'y, 1791.

A true copy. (Signed) Joseph Chew, S.T.A.

Resolved that the Chairman request Sir John Johnson to inform the Committee how far he conceives it may be practicable to satisfy the Huron Indians by lands in any other part of the District of Hesse, in lieu of the reserve made in the late purchase of lands from the Indians near Detroit, and on what terms.

The Committee resumed the consideration of the last report from the Land Office Board of Hesse, between the 20th August and 23rd October, 1790. The remarks made upon reading the Minutes are:

That the plan of a town plot annexed to the report and submitted to Lord Dorchester seems to be well laid out, and as far as the Committee can judge without reference to the plan of the two townships (for the accommodation of which it is intended, upon the north side of Lake Erie) it will be conveniently situated for both.

The Board of Hesse remark in their letter at the end of their report, that many inconveniences will arise, to obstruct the settlement of the country, provided the present plan of reservations in townships lying upon rivers or lakes be rigourously adhered to, seeing that only two lots in front or water lots can be granted, by the Rules and Regulations of the 25th August, 1789, for the conduct of the Land Office Department.

Upon the Land Board's observation relative to discharged Rangers and others who obtained certificates for locations at the mouth of Detroit River and were promised provisions and tools, this Committee reported the 3d January last, and were of the same opinion with the Board of Hesse relative to the expediency of securing to them their lots as well as to grant them provisions, that they might be in no worse condition than people under the same circumstances who settled in the lower parts of the new districts.

At a special meeting of the Land Committee, on Tuesday, 22d February, 1791. Present: Messrs. Finlay, Collins and Grant.

The Chairman laid before the Committee a copy of a letter he wrote to Sir John Johnson the 11th current, in obedience to the Committee's order of the 4th February, as follows:

Quebec, 11th February, 1791.

Sir: The letter with which you honoured me in answer to mine of the 19th January was laid before the Land Committee at their first meeting after I received it, and this day having occasion to reconsider that letter, the Committee have ordered that I as Chairman pray you to inform them touching the practicability of satisfying the Hurons by lands in any other parts of the District and upon what terms, in lieu of the tract reserved for them, which reserve may be very incommodious to the County Town of Hesse on that side of the Streight and to the Indians themselves. His Lordship's view being to serve both them and the common interest. I have the honour to be, etc.

The Honourable Sir John Johnson, Bart.,

Superintendent-General of Indian Affairs.

Friday, 3rd June, 1791. Present: Messrs. Finlay, Collins and Grant.

Read a letter from Sir John Johnson of the 17th February in answer to the Chairman's of the 11th, praying Sir John to state whether the Hurons could not be prevailed on to relinquish the seven-mile tract which they conceived to be reserved for them opposite to Detroit, out of the great tract lately purchased on the north side of Lake Erie.

Sir John states that he consulted Mr. McKee, the Deputy Superintendent of Indian Affairs, touching the relinquishment of a part of the reserve of the seven-mile tract, as much as would answer the purpose of a scite for a County Town to a certain Creek, but he thinks it would be difficult to prevail on them to abandon it wholly. When he hears from Mr. McKee he will write more fully to this board on the subject. This letter was kept back until answers on the same subject should be received from the Land Board of Hesse, and Mr. McNiff.

Read letter from the Land Office Board of Hesse, dated 6th May last, which came to the Chairman's hand a few days since accompanied by two papers marked C. No. 1, C. No. 2; the first is Copy of a Deed of gift, grant infeofment of a tract of land on the south side of Detroit River, seven miles square, 15th May, 1786. The other paper contains a sketch of the settlements (under authority) on Lake Erie, on the tract lately purchased from the Indians, likewise the settlements made without authority under Indian grants to individuals upon the River La Tranche.

This letter is in answer to one wrote by the Chairman of this Committee desiring information relative to matters stated in Lord Dorchester's Order of Reference of 20th October last, copy of which was sent to the Board of Hesse. They observe, that before the 21st May, 1790, the Crown had no lands in Hesse, except a square of seven miles at the River Canard upon the Streight, ceded to His Majesty by the Ottawa and Chippawa Indians, 15th May, 1786, by Deed; together with another tract of seven miles ceded the 7th June, 1784, by the Chippawas and Hurons at the mouth of the Streight, which is claimed as being granted to and for the use of certain officers and soldiers who had served in the late war with the Indians, the grantors of that tract. There are likewise a few grants which were made by the French King. All the rest of the settlements are claimed as deriving from grants made to individuals by the Indians countenanced by the Commanding Officers and Lieutenant-Governors of Detroit.

Alexander McKee claimed the tract at the River Canard for his own use and that of his friends, and he petitioned for a grant of it under the Crown, which petition was referred by His Excellency Lord Dorchester to the Board of Hesse the 21st January, 1790; it was withdrawn by Mr. McKee, 14th May, 1790, and has not been returned since.

That the Board of Hesse has not been able, notwithstanding its utmost efforts, to procure a return of survey of a single township from the Surveyor-General's Office, in which to locate the petitioners for lands in that district.

That the Reservations at the River Canard (the Seven mile Tract) will prevent Lord Dorchester's Orders of 2d Sept., 1790, for laying out a County Town on the East side of the Streight.

That the Board has supposed the seven-mile tract to be vested in the Crown by the Deed of Gift of May, 1786, and they remark that Mr. McKee pressed the Indians to recommend to the Governor to grant that very tract to him (Mr. McKee) and they state that they cannot perceive any good that is to result in reserving a waste in the heart of the settlement, which would interrupt the

communication; and the board refers this Committee to Mr. McKee for the cause that renders this tract now so essential for the comfort of the Indians.

The reserve for the Hurons is necessary for their comfort. They are practical Christians and have a church with about four acres of land attached to it, in superficies, which does not interfere with the extensive plain between the church and the River of Jervais, which might afford a scite for a County Town. The board conceive it to be very practicable to satisfy the Hurons in any other part of the district, but they observe that the satisfaction is not to be made to the Hurons alone, but to those Tribes who ceded the tract in May last, viz., the Ottawas and Chippawas.

The Board submit, whether if the Chippawas and Ottawas who were parties to both the deeds of Cession, that of 15th May, 1790, were to be again assembled and the two Deeds laid before them, they would not relinquish the reserve at the River Canard, on receiving a consideration, which they perhaps looked for, on making the Cession of 1786, which they did not consider as paid for by the presents of May, 1790.

On the whole, the Land Board of Hesse consider the reserve of the seven-mile tract to be highly desirable to be at the disposal of the Crown, for reasons stated in their report to the Governor, 28th May, 1790.

It is necessary for the welfare of the settlement that that tract should be in the hands of Government, as it contains limestone, which is not to be found elsewhere, but on Stoney Island, in the possession of Mr. William McComb.

The Board refer to a sketch of the tract for settlement to shew (as is their opinion) that the whole should be accurately laid down on paper before a second township back from the water should anywhere be laid off, to prevent the lines of one from interfering with the other, as in Cornwall and Luneburg.

The Board further state that, "There are scattered settlements on Lake Erie and La Riviére La Tranche, as may appear by the plan from AE to AO, and from NR to NP (on the files), the first under the sanction of the Commandants of Detroit, and confirmed by the Land Board of Hesse; the latter without any authority but Indian grants.

The board submit as their opinion that, however great the first expence may be, it is indispensably necessary for the future quiet of the settlers and for the assurance of the Royal Grant that a survey of the whole tract purchased should be before the board, before they issue directions for any part of it to be laid out in townships, and that no settler be located by the board without having before it a plan of the township in which he is to be placed. Any proceedings without such precaution must subject the board to error, the settler to confusion, litigation, and the Government to reproach. They think that a sufficient survey (supposing the 10th Article of the Rules and Regulations of the 17th February, 1789, relinquished) of a township might be done by a single surveyor and his party in 10 days, so as to enable the board to grant locations. Nothing more would (in their opinion) be necessary than to run the four sides, making the road space between each row of concessions, measuring off, staking out and numbering in the usual manner the front lots. Upon such a plan the board could make the necessary reserves. The settlers on the front line would easily find their lots from the Surveyor's numbers—and those in the second, third concessions, etc., might measure them off from the side lines. But the board submit upon the whole, whether it would not be better to leave nothing to be done by the proprietor towards ascertaining his lot, since the whole could be done by a Deputy Surveyor and his assistants at an expence of 10 or 12 days' labour.

Letter from Mr. McNiff

Read a letter from Mr. McNiff, Deputy Surveyor for Hesse, dated at Detroit, 3d May, 1791, in answer to the Chairman of this board's letter to him of 19th January last, covering a copy of Lord Dorchester's Orders of 20th October last, to the Land Committee, stating:

That when Government concluded to settle the important frontier of Detroit, all encouragement was held out to settlers, but the provisions at first issued were afterwards withheld; a hundred young, able men left the country in one year for that reason; a great hindrance to the settlement of the district, and a great loss to Government. That when settlers, invited by Government, came from the States, they were told there was no waste land belonging to the Crown in the district, that it was all private property under Indian grants; on finding this they returned to the States; some of them had not money to carry them back and were forced to agree with the claimants under Indian grants to pay £100 for a hundred acres of waste land. The Quakers from Red Stone who came into this country to settle (from Pensilvania) were forced to return. And further, that the reserves in the townships standing on lakes and rivers according to the present plan, greatly impedes the settlement of the country, seeing that but two farm lots can be granted in front, two in the second and twelve in the third concession. Nobody will consent to settle in the back concessions and leave such a tract of wood in their front, through which they would have to make roads. About twenty families applied for lands and by their agent chose a tract. He has laid out four townships, two on each side of the River La Tranche according to the plan prescribed, but none of those who have applied for land will go into the back concessions. In these townships he found twenty-eight families settled in the front who have made considerable improvements, but they would be removed were the order for surveying the townships to be carried into execution there. He refers to the Inspector-General of Indian Affairs, how far the reserves at the River Canard may or may not be injurious to the settlement of that country. The reserve at the Huron Church is of no consequence, being only a barren sandy plain; that at the River Canard is very valuable, and should a town be established near the Island of Bois Blanc, the reserve would prove very injurious to the inhabitants from the depradations of Indians on their cattle and hogs. He thinks that land (the seven-mile reserve) might be bought from the Indians for a very trifling consideration, and they may be well provided for at River Chanail Ecarté near the entrance of Lake St. Claire, on the northeast shore. He represents that all the land on the shore of the Streight, from the north boundary of the reserve at the River Canard, as far up as Peach Island in Lake St. Claire, is thickly inhabited. That the inhabitants have petitioned to have their lands extended back to the fifth concession, because they want wood. He thinks this would prevent the settlement of the country, and they would not clear and improve the second, third and fourth concessions, and no farmer would sit down on the fifth. He represents that there's no wood nearer the front concessions than the rear of the second concession which are near eighty arpents or a league from the front or the water side. He does not find from the River Canard upwards any land left for public roads, each inhabitant passing through his own land and the opening of roads requires immediate attention, as a means of inducing English farmers to settle back, rather than go a great distance up the River La Tranche. In his letter of the 5th May, he suggests that it would be well to lay out a number of townships on the River La Tranche, ten would take up a space of ninety miles along the river, under the present plan, but

according to that plan no more than twenty farmers could be settled in front of that great space at such distance from neighbours as to render it impracticable to assist each other in any manner. The Indians pass in great numbers up and down that river, and behave in a disorderly manner often, killing the cattle and hogs of the settlers; but were they close settled this would not happen.

The Chairman observed to the Committee that considering the length of time the proceedings of the Land Board of Hesse had been before the Committee for report, it would be necessary to proceed thereon, and proposed to enter upon that business immediately; considering that until the claim of the Huron Indians for a reserve of a tract of seven miles square opposite Detroit is decided, the settlement of the country upon the east side of the Streight of Detroit must be greatly retarded.

Mr. Grant proposed that the Minute of this board of the 3d June be read, relative to a letter from Sir John Johnson, touching the reserve at Detroit, and being read, it is therein stated that Sir John Johnson, expecting information from Alexander McKee, the Deputy Superintendent-General, relative to that claim, will, when received, communicate the same to this board. Resolved, that the Chairman request Sir John to inform them whether he has received the expected information, and if he has, to communicate the same, to enable them to report on the matters referred to them without further delay.

Friday, 16th September, 1791. Present: Mr. Finlay, Mr. Collins and Mr. Grant.

The Chairman laid before the Board the copy of a letter written to Sir John Johnson, in consequence of the Resolve of the 2d September:

Quebec, 2d September, 1791.

Sir John Johnson, Bart.

Sir: I have been directed by the Land Committee to request of you to inform them whether you have heard from Mr. McKee, the Deputy Superintendent of Indian Affairs, touching the tract of seven miles square, which the Huron Indians conceive to be reserved for them opposite to Detroit, as the Committee are anxious to report upon Lord Dorchester's Reference of the proceedings of the Land Office Board of Hesse and other matters, which they will not be able to do satisfactorily without information on the subject from Mr. McKee.

I have the honour to be, etc.

Mr. Grant's attendance at the Court of Common Pleas being required, and seeing no answer has as yet been received from Sir John Johnson to Mr. Finlay's letter of 2d September, it was ordered that the Chairman lay before the Committee at their next meeting a draft of a report upon the matters contained in the papers transmitted from the Land Office Board of Hesse and referred to this Committee by His Excellency Lord Dorchester.

Friday, 23d September, 1791. Present: Mr. Finlay, in the Chair; Mr. Grant and Mr. Collins.

The Chairman informed the board that he had received a letter from Mr. Chew, Secretary to the Indian Department, which gives him hopes of hearing from Sir John Johnson relative to the practicability of satisfying the Huron Indians for the tract reserved for them at the River Canard, by a grant of land elsewhere, as soon as he receives information on that head from Mr. McKee, the Deputy Superintendent of Indian Affairs; therefore he had not prepared a

draft of a report as ordered by the Committee on the 23d to be laid before the board at their next meeting. The Committee having approved thereof resolved that the Chairman defer the report until Friday, the 28th October next.

Friday, 28th October, 1791. At the weekly meeting of the Land Committee. Present: Mr. Finlay, in the Chair; Mr. Collins and Mr. Grant.

Read the draft of a report upon the papers from the Land Board of Hesse (referred to the Land Committee in October, 1790) which, having been amended, it was ordered that the Chairman prepare a fair copy thereof to be laid before the Committee with all convenient speed.

Quebec, 29th November, 1791. At a special meeting of the Land Committee. Present: Mr. Finlay, in the Chair; Mr. Collins, Mr. Grant, Mr. De Lanaudiere.

The Chairman observed to the Committee that as he had been confined by sickness ever since their last meeting, it had not been in his power sooner to comply with the order of the board. He then produced a fair copy of the report which had been submitted on the 28th of October, and being read and approved by the Committee, it was ordered that the Chairman sign the report and annex thereto a copy of the journals of the Committee, and present the same to His Excellency, the Commander-in-Chief without delay.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon His Excellency Lord Dorchester's Orders-in-Council of the 15th August, 1791, relative to lands said to be set apart for Commons in some townships in the new districts.

May it please Your Excellency: In consequence of a report from this Committee to His Excellency The Right Honourable Lord Dorchester, of the 22d July, upon the petition of Ephraim Jones of the District of Luneburg, for a tract of land stated by him to be part of a Common in the Township of Augusta. His Lordship was pleased to order in Council on the 22d September last that the Land Committee should enquire whether the spot alluded to was a Common and upon what authority it was so called and also, whether there were any other tracts in the new settlements of the same description. And in order to obtain the information required, the Committee applied to Major Holland, the Surveyor-General, who states:

"That in consequence of Instructions from the then Commander-in-Chief, the several townships were laid out in square tracts of nine statute miles, which when divided into thirty-seven lots each containing 19 chains or 1,254 in front, there remained 17 chains, of which 3 chains were taken for six roads, allowing 33 feet for each road; of course 14 chains, the residue, was divided, and 7 chains left at each end of a township, which with the 7 chains left in like manner to the adjoining township occasioned the 15 chains vacant between them; those vacancies from not having been drawn for, or distributed with the rest of the lands were called Commons. General Sir Frederick Haldimand granted some of those vacancies or Commons to people entitled to lands and absent at the general drawing of the lots.

Saml. Holland, Surv.-Genl.

Quebec, 23d September, 1791.

The Committee having considered the Surveyor-General's statement do not conceive that the vacancies in question can with propriety be considered as Commons, for on enquiry they do not find that any of the grantees of portions

of the waste lands of the Crown in the Township of Augusta have any right transferred entitling them to the use of the vacancy or tract in question as Common appendant, for the purpose of pasturing their cattle thereon, or for any other purpose. The Committee therefore are humbly of opinion that the vacant tract between Augusta and Matilda of 14 chains in width, ought to be considered as part of the townships, 7 chains lying in Augusta and 7 chains in Matilda, running the whole depth of each township and open for grants like every other unconceded part of either of the said townships. The Committee therefore submit whether it might not be expedient that directions be issued to the Land Board of Luneburg and the other districts above Montreal to grant certificates to applicants for lots, in every vacancy that may there be respectively found similarly situated. All which is nevertheless humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th Dec., 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the proceedings of the Land Office Board of Hesse, between the 29th October, 1790, and 13th May, 1791.

May it please Your Excellency: In obedience to His Excellency Lord Dorchester's Order of Reference, the Land Committee proceeded to examine the papers transmitted from Hesse, to the Office of His Lordship's Secretary, and having duly considered the Minutes between the 29th October, 1790, and the 22d April, 1791, marked B, they concur with the Board in the propriety of having granted certificates of location to these persons who had applied for lots, agreeable to the schedules accompanying the Minutes of the Board. And having fully considered the Minute of the Board of the 6th of May last, relative to a petition from several inhabitants on the east side of the Streight of Detroit, for grants of lands lying immediately behind the lots they actually possess, the Committee concur in opinion with the board that the request in that petition contained in unreasonable, and that to comply therewith would be hurtful to the settlement.

And they likewise join in opinion with the Land Board that the apprehensions of the inhabitants on the west side of the Streight relative to an intended alteration of the boundary lines of their farms (as stated in their petition) are without foundation. All which is nevertheless submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th December, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant).

May it please Your Excellency: Upon the proceedings of the Land Board of Luneburg, between the 5th April and 3d August, 1790, referred the 17th of December, 1790, by Order of His Excellency Lord Dorchester, the Land Committee have the honour to report that they concur with the Land Board of Luneburg in the propriety of their having granted location certificates to the petitioners, whose names are entered upon the schedule accompanying the Minutes and indorsed "District of Luneburg, schedule of the persons admitted as settlers in said district," and they beg leave to observe that the petitioning half-pay officers mentioned in the schedule have all been reported in August last to His Excellency as entitled to the quantities set down opposite to their names. The petition of

Ensign William Snider has not been transmitted with the other petitions, and as the Committee understand from the statement of the Land Board, that he was not considered as a Subaltern when he received his portion of the waste lands of the Crown, they conceive that in conformity to the Rule observed hitherto, those persons attached to corps reduced in the Province have no claim for more than the quantity they were entitled to, at the reduction of the Corps to which they belonged. All which is humbly submitted to the consideration of Your Excellency.

HUGH FINLAY, in the Chair.

Quebec, 9th December, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant).

May it please Your Excellency: The Land Committee, in obedience to His Excellency Lord Dorchester's Order of Reference of the 19th January last of the Minutes of the Land Board of Luneburg, humbly report that after having duly considered the proceedings of the board upon the petitions which accompany their Minutes, between the 6th of October and 9th December, 1790, approve of the Locations' Certificates granted in that period as stated in the schedule accompanying the Minutes, headed "List of Persons examined, sworn and admitted," and having examined the petitions of the reduced officers of Provincial corps, transmitted with the Minutes and recommended by the Land Board, the Committee find that they have been reported to His Excellency Lord Dorchester in August last, as entitled to the additional quantities set down opposite to their names in the schedule dated at Matilda, 8th December, 1790, accompanying the petitions and upon the petitions recommended by the Land Board

and submitted to His Excellency's pleasure, this Committee join the board in recommending Mr. Ephraim Jones as a reduced Ensign in Major Jessup's Corps for 1,300 acres.

Likewise Margaret Jones, Widow of William Deak, a non-commissioned officer of the 31st Regiment, deceased, for 200 acres. Also Alexander Campbell in behalf of the heirs of Lieut. Peter McLaren of Colonel Eben Jessup's Corps.

The petition of Allan Paterson, likewise submitted, mentions no specific quantity of land, nor any particular place of location; and as the petition of Henry Baker, in behalf of his deceased father, a soldier in the King's Royal Yorkers, is in the same predicament. The Committee are of opinion that these two petitions may be returned, and submit whether the board may not be authorized to decide upon them.

They next considered the petitions of Thomas and Terence Smyth, praying for a Captain's proportion of lands upon the River Rideau, on account of their deceased father's services, and they produced copy of a letter from Sir John Johnson to their father, Doctor George Smyth, to strengthen their pretensions; the letter is as follows:

Montreal, 20th December, 1785.

Sir: I was favoured with your letter of the 13th instant relative to your lands. I believe you may make a choice of your lot wherever you can point out a vacancy, and I should imagine you are entitled to a Captain's allowance.

The Board observe on this petition that they do not consider Staff Officers of the 84th Regt. entitled to any lands, by virtue of the King's Instructions, yet

they think the case of the petitioners merits consideration. The Land Committee in a report to His Excellency Lord Dorchester, of the 19th June, 1789, stated that from the circumstance of the petitioner's father having been placed at the Post of St. Johns as a preventive officer, and understanding that he had been useful to Government, they offered as their opinion that a grant of 1,000 acres might be made to the petitioners in any of the three townships then laid out on the north side of the Ottawa River. The Committee therefore humbly recommend that 500 acres may be granted to each on the River Rideau, the place where they wish to obtain a grant.

They further recommend that 500 acres may be granted to John Cameron should the board be satisfied that he actually served as a Subaltern in General Burgoyne's Army in 1777.

Abner Sulye, from the United States, petitions to be admitted as an inhabitant, and the board recommend that his prayer may be granted. The Land Committee observe that by the Act of the thirtieth of His present Majesty, the petitioner on taking the Oaths to Government may obtain a lot of land if he is desirous to become a subject of the King.

The petition of Capt. John Munro of the late Royal Regiment of New York states that he had proposed to his son, Hugh, for the general benefit of the family, to build upon a lot of land assigned to said Hugh, and that in consequence of that proposal he had erected buildings thereon, at great expence; and that he had greatly improved the lot; and he prays that a reservation of fifty acres may be made out of the lot assigned to his son comprehending the buildings erected thereon and part of the improvements for the use of Mary, his wife, in case of his death. The Observation of the Land Board upon this petition is: The board having considered the nature and circumstances of the petitioner's request are of opinion that both himself and his family labour at present under a very peculiar hardship, through which they may suffer very essentially in future; at the same time they know of no remedy to guard him against the danger, unless His Excellency Lord Dorchester would condescend to interpose in his behalf; of the propriety of which interposition the board do not pretend to judge but humbly submit this case to His Lordship's great wisdom. The Committee considering that the faith of Government is pledged to Hugh Munro, to secure him in the possession of the lots that have been assigned to him, cannot recommend the prayer of Capt. John Munro's petition, but, should his son, Hugh, refuse to fulfil any agreement he may have made with his father, relative to the buildings erected upon the lot in question, he has his remedy at law. All which is nevertheless humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th December, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the Minutes of the Land Board of Luneburg between the 4th January and 1st March, 1791.

May it please Your Excellency: The Land Committee having examined the Minutes of the Land Board of Luneburg from the 4th January to the 1st March, 1791, together with the papers therewith referred by His Excellency Lord Dorchester the 11th of last July, humbly report that they concur with the Land Board in the reasons stated in their Minutes for having granted Location

Certificates to 25 persons whose names are entered upon the schedule accompanying the Minute and headed "A list of persons examined, sworn and admitted as settlers in the said district."

They next considered three petitions referred to the Governor-in-Council.

1st. The petition of Mr. Daniel Jones for a Subaltern's proportion of the waste land of the Crown, stating his services, which are in part certified by Captain Sherwood to the satisfaction of the board. It does not appear that he has received more than 100 acres of land, on which he has made considerable improvements. The Committee therefore humbly recommend that he may obtain a grant of 400 acres in addition thereto.

2nd. The petition of Ensign William Johnson Holt of the Pensylvania Loyalists, and 3d. Lieutenant Moses Holt's petition of the same corps, praying for his quota of lands as a reduced Provincial officer, put on a footing with the officers of the 84th Regiment by Lord Dorchester's Order-in-Council of the 22d October, 1788. The Land Board observe on these two petitions that as Lieut. and Ensign Holt did not receive lands under the King's Instructions of 1783, their prayer cannot be granted in conformity to the 1st Article of the third Addition to the Rules and Regulations of the 17th February, 1789, but the Committee humbly recommend that the Land Board of Luneburg may be authorised to grant a location certificate to each for 500 acres, in one of the townships laid out upon the River Rideau.

The Committee concur with the Land Board in recommending the following petitions, viz.: Henry Jackson, for 100 acres; Ziba Phillips, for 200 acres; Roda Van Camp, for 200 acres; Nerina Phillips, for 200 acres; Rachel Mosier, for 200 acres; Jacob Merkel, for leave to build a grist and saw-mill at the foot of the Long Sault; Henry French, for 400 acres; William Gibson, for 500 acres; Frederick Weaver, for 500 acres.

Ensign John Conolly and Captain Francis Hogle, reduced officers of American Corps have had their claims reported to His Excellency Lord Dorchester in August last.

The petition of Captain Justus Sherwood and seven other half-pay Provincial officers, dated the 22d March last, praying for lands in the Township of Oxford, on the River Rideau, was likewise fully reported to His Lordship on the 5th of August and recommended by this Committee.

The Committee beg leave to observe upon the remarks suggested by the Land Board of Luneburg in a paper marked No. 1, dated the 5th April, submitted to His Excellency Lord Dorchester, and by His Lordship referred and now before this Committee 11th July, 1791.

1st. They think that the boundary line of townships already laid out should be run due north, not the magnetical north.

In a letter dated 14th June they consider that it will be better that the side lines of the different townships be regulated by the fixed boundaries, without regard to any deviation from the established course, which is north 24° west, as it will create less confusion and give more general satisfaction.

This Committee concur with the Land Board in the remark above stated: The plan lately adopted for the boundaries of inland townships being 10 miles square, and the front townships being but nine in breadth, there will consequently be an overlap of a mile in the first, two in the second and so on progressively. The Committee do not perceive at present any inconvenience that can thence arise.

A Rule is proposed to entitle Sailing Masters of the Navy—issuing Commissaries, pensioners and Assistant Pay Masters in the Engineer and Quarter

Master-General's Departments during the late war, to a subaltern's proportion of land under the Instructions of 1783. The Committee observe on this remark that seeing it has heretofore been considered by the surveyors that persons of the above description are entitled to 500 acres and that Location Certificates have been issued to them for that quantity, the Land Committee humbly recommend that applicants of that description may have a like quantity granted to them.

Proposes a Rule to fix a time for regranting such lots as have been drawn by soldiers who are either absent (leaving their lots vacant) or are occupied by persons having no title thereunto. The Committee consider that the lots assigned to disbanded soldiers have been granted in reward of past services; they cannot therefore recommend that they should be resumed by the Crown.

May not the boards be vested with authority to change such lots as may on due proof appear to be unfit for cultivation? The Committee are humbly of opinion that it would be right for the board to grant other lots, in lieu of bad lots not fit for culture.

Mr. McNiff should be ordered to deliver to the Deputy Surveyor of the district the plans of New Johnstown (New Cornwall) and new Oswegatchie on which are inserted the names of the proprietors, for want of which the Land Board have not been able to make the investigations ordered by Government. Mr. McNiff has been directed long since to furnish the map required as the Deputy-Surveyor General informs the Committee.

The townships now distinguished by the numbers 9 and 10 should have names. Several of the townships on the Grande Riviére are without names. The Committee conceive the Land Board consider the River St. Lawrence to be the Grand River; every township on the Ottawa or Grand River has a name. No. 9 and 10, lying on the River St. Lawrence between Elizabeth Town and Lansdown have no names, but they are known by their numbers.

It is submitted whether a town at the Forks of the River Rideau, to be in the center of four surrounding townships would not answer a good purpose and reasons (to the following effect) are offered to induce a deviation from the established rule in this, as well as in other cases which may occur.

The prosperity and wealth of towns in all inland countries must depend upon the cultivators of the land; now if the land which should be under culture is locked up in town plots, parks, etc., it may operate against or entirely defeat the speedy settlement of the country.

The situation of the proposed town at the forks of the Rideau in a fine soil, with the great advantage of water carriage and its proximity to a settled country, will induce mechanics, traders and others to prefer that scite and build there.

Here an ample space will be opened for the accommodation of half-pay or reduced Provincial officers and other people.

The Committee on the 5th August reported fully upon the proposed township at the Forks of the Rideau, recommending a deviation from the general plan in this instance.

May not disbanded soldiers, who served in Provincial corps during the last war, and who have not as yet applied for lands, obtain Location Certificates not to exceed 400 acres for a non-commissioned officer and 300 acres to a private, on proof of their merit being exhibited to the satisfaction of the Land Boards.

Persons of the foregoing description, non-commissioned officers, are entitled to 200 acres each, with 50 acres for every person of which their respective families may consist. A private, to 100 acres with 50 acres for his wife and 50 for each of his children.

By the V Art. of the Rules and Regulations of the 17th Febry, 1789, the Surveyor is to report the grounds of all claims for land exceeding 200 acres. The specific quantities of the lands applied for are not necessary to be ascertained in the petitions as directed by the XIV Art. of the Rules above mentioned, as the Surveyor's returns will serve as a check to prevent mistakes.

The first part of this remark is founded on a mistake, for by the Article alluded to 'tis the board (not the Surveyor) who are to report. We presume that under a supposition that plans of all the townships divided into concessions and lots were to be before the boards the Rule was issued directing applicants to make election of certain lots to be ascertained in their petitions. The Committee do not perceive the expediency of making any alteration at present in the Rules alluded to.

It has been found that a deviation as made by Mr. Stegman, a Deputy Surveyor, in running lines not parallel to those run by Mr. McNiff (another Deputy Surveyor) in the Townships of Cornwall and Charlottenburg would create the greatest confusion, it is thought advisable, with a few exceptions (according to local circumstances) to confirm the old lines, by which plan those who are found to have more land than their just quota are to relinquish the overplus; and those who may have less are to have their quantities made good in other places, as near their old grant as may be. The Committee concur with the Land Board on this remark, and join them in recommending that the old lines may not be altered in the Townships of Cornwall and Charlottenburg. All which is humbly submitted to Your Excellency's great wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th Dec'r, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon certain papers from the Land Office Board of Mecklenburg, referred by Order of His Excellency The Right Honourable Lord Dorchester the 21st December, 1790.

May it please Your Excellency: The Land Committee having duly considered the Minutes of the Land Board of Mecklenburg, between the 5th May and 21st August, 1790, marked C, together with the petitions therewith transmitted, humbly report that they concur in the propriety of the board's having issued Location Certificates to the applicants for grants of the waste lands of the Crown as stated in the Minutes, and upon the petitions rejected, viz., of John Vandecor, No. 313; Thomas Jackson, 330; Lamson Stricker, 353;———— Hagerman, 366; Peter Davey, 363; John Buckly, 376; Humphry Waters, 379.

The Committee likewise concur, and for the reasons stated on the Minutes; and the Committee observe on the petitions indorsed "Under Consideration," that Lieutenant Guisbard Sharp's and Lieutenant Hector McLean's have been included in a list of reduced Provincial Officers, reported to His Excellency Lord Dorchester the 5th August last; that they concur in the decision of the board relative to the claims of Everhart Weigar, Mercy Hawley, and Catherine McMullen. And upon John Josh. Harkemir's petition, the Committee observe that as they know nothing of the situation of the sixty acres he applies for, they humbly recommend that the board may be instructed to grant his petition, if they perceive that the spot he applies for is not a scite proper to be reserved for public uses, or that the grant will not be prejudicial to any private person.

Upon the petitions endorsed "Preferred." The Committee observe, first on William Cotter's claims as a Second Mate in the Provincial Naval Service, that he is not by any existing instruction entitled to lands as a Naval Officer, but they recommend that he may have 500 acres for the reasons assigned in the Minutes.

The Committee recommend Andrew Brundish for 200 acres and Peter Daly (if he has made improvements on his lots) for 150 acres in addition.

William Johnson was before the Land Committee sometime last winter, and (considering a certificate from Samuel Shepherd, Esq., and the representative of John Collins, Esq.) it was then conceived that of right he ought to have a preference to the disputed half of Lot No. 11, and it appears now to this Committee that if Mr. Chisholm obtained no certificate from the board he can have no legal claim, as the Deputy Surveyor-General did not grant him one.

The Committee find by the Minutes of the Land Board (in the 7th page) that certain Instructions from the Surveyor-General's Office had been read at the board on the 2d June; that Instructions had been given by the board to the surveyor of the district; that a letter from Mr. Coffin, dated 7th June, appointing Sir John Johnson to sit as President of the several Land Boards, had been read at the board the 17th July, but that none of them have been entered at large upon the Minutes as the Rules and Regulations for the Conduct of the Land Office Department direct.

The Committee beg leave further to observe that it appears that Lieut. David Cowan has received 500 acres as a reduced officer, and upon enquiry at the Surveyor-General's Office, to what corps he belonged, they find that he is a Lieutenant of the Navy, and although he has received 500 acres as a settler, he could not have been entitled to land as a Naval Officer under the Instructions of 1783.

The Committee proceeded next to consider a letter from the Land Board to Henry Motz, Exq., dated the 16th of October, 1790, stating among other things that the person acting as their Clerk has had much trouble, and submitting to Lord Dorchester whether some allowance should not be made to him to provide stationary, and as a reward for his services. The Committee observe upon this representation that it would have been well had the Land Board stated what they consider to be a reasonable recompence for stationary, etc., to be laid before the Commander-in-Chief. All which is humbly submitted to Your Excellency's consideration.

HUGH FINLAY, in the Chair.

Quebec, 9th December, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) on the Minutes of the Land Board of Mecklenburg from the 1st December, 1790, to the 10th March, 1791.

May it please Your Excellency: In obedience to His Excellency Lord Dorchester's commands signified to the Land Committee by Mr. Secretary Motz in his letter to the Chairman of the 5th April last, as follows:

Quebec, 5th April, 1791.

Sir: I transmit a letter from the Land Board of Mecklenburg dated the 16th of March, 1791, accompanied by the following papers: Proceedings of the Board from 1st December, 1790, to 10th March, 1791. Surveyor's Return of Locations from 15th October, 1790, to 17th March, 1791. Surveyor's Report to the Board under their Instructions of 7th February, 1791. Sketch to Explain

the Instructions to the Surveyor of 7th February, 1791. Sketch of Vacant Lands between Kingston and Pittsburg. A Parcel of Petitions to Accompany the Proceedings of the Board. All which His Excellency Lord Dorchester is pleased to refer to the consideration of the Land Committee for their report of such observations as may occur thereon.

And two surveyors having lately been sent by the Surveyor-General's Office from Quebec to the District of Luneburg on the supposition of this being a proper season for field work, whereas the Board of Mecklenburg in their letter state a contrary opinion, on the ground of which they have permitted the surveyor of their district to be absent until the first of May or the 1st of June next, the Committee are to investigate and report the grounds on which these seemingly contradictory conclusions have been formed, with their opinion of the real state of the case, and what course may be expedient to prevent unnecessary expence to the Crown. I am, Sir, Yours, &c.

The Committee proceeded to consider with due attention the Minutes of the Land Board, stating their proceedings on the petitions presented for the lots of the waste lands of the Crown, and thereupon humbly report:

That the Location Certificates issued by the board in that period (as stated on the Minutes) have been granted in conformity to the Rules and Regulations made for the Conduct of the Land Granting Department. The Reasons assigned by the Board for refusing the petitions of Norris Briscol, No. 453; John Lake, 459; Margaret Longwell, 461; Nicholas Lake, 462; Jo. McMahon, 473; Catharine Yarman, 493; Jean Anderson, 499; Amos Martin, 515; appear to the Committee to be well founded.

Upon those marked "referred to the consideration of His Excellency the Commander-in-Chief, the Committee beg leave to observe, first, upon the Reverend John Stuart's claim. It does not appear that he, as Chaplain to the late Royal Yorkers, is entitled under Lord Dorchester's Order-in-Council of 22d October, 1788, to be put upon a footing with the Subalterns of the late 84th Regiment respecting allotments of land. Charles McCulloch's claim for the number of acres short of 100 in the lot he now possesses, ought to be made good.

Bosteon Hogle's claim for 1,400 acres, in right of his father, killed at Bennington whilst serving as a Captain in General Burgoyne's Army, seems to meet the approbation of the Land Board; but as nothing appears to prove he served as a Captain the Committee humbly submit whether his case may not be referred back to the board for their final decision upon due proof of the fact alledged.

Samuel Sherwood, Esq., in the opinion of John Collins, Esq., the Deputy Surveyor-General, may obtain a certificate for 500 acres, and upon what he advances in Mr. Sherwood's favour, the Committee humbly recommend him for that quantity.

Richard Cartwright, Jun., prays for a spot of land equal to a town lot in Kingston adjoining a house his property not within the limits of the town but unlocated. The Committee recommend the grant may be made provided the Land Board upon enquiry shall be satisfied that it will not interfere with any public reservation, or be prejudicial to any individual.

Abraham Defoe prays for lands as heir to his brother. The Committee concur with the Land Board in the proposal of postponing the grant of his prayer for 100 acres in right of his brother, Jacob, deceased, until he shall appear to be duly authorized to receive it in that capacity.

Charles Bennet's petition for a mill stead, in the opinion of the Committee, ought not to be granted, seeing by the statement of the Land Board there has been many prior applications made for the same spot by persons having better pretensions to favour than the petitioner.

Report has already been made to His Excellency Lord Dorchester upon the claims of the following reduced officers of Provincial corps who have applied to the Land Board, viz.: Lieutenant Peter Valleau, Captain Joseph Allan, Lieut. Edward Cascallen, Capt. William Johnson, Capt. Abraham Maybe, Ensign Jon'n Miller, Lieut. William Rattan, Lieut. John Richards. And the Committee has considered them to have been put upon a footing with officers of equal rank of the late 84th Regiment by His Lordship's Order-in-Council of 22d October, 1788, and recommended them accordingly.

A letter from the Land Board of Mecklenburg of the 16th of March last to Mr. Secretary Motz, likewise referred, was next considered, and the Committee observe upon the paragraph relative to the expediency of describing the scites of the lands applied for that were the Land Boards furnished with plans of all the townships in their respective districts, divided into concessions or ranges of lots, and these lots numbered, and the names of the persons who have obtained locations noted upon the tracts drawn, the vacant lots would be seen at one view and all petitioners be able to chuse their situations.

The Committee concur with the board in opinion that the lands assigned to disbanded soldiers under the Instructions of 1783, were granted as a reward for services and cannot be resumed; and further, that it would be advisable to adopt some rule relative to the lots that have been assigned to persons not having the same pretensions and remain unimproved.

The Land Board state that Mr. Cartwright, Senior, is willing to relinquish his lot in the vicinity of Point Frederic, if it shall appear necessary for the use of Government, but Mr. Arch'd McDonell is not inclined to give up his tract, though Neil McLean, Esq., adjoining Mr. McDonell, has no objection to relinquish his; yet in the opinion of the board, Government will have occasion for neither as timber and firewood for the use of the Garrison may at all times be purchased for less money than the cutting it down would cost to supply fuel and wood for building.

The board observe, and on examining the map of the district the Committee find that there is not vacant land enough between Camden and Pitsburg for two new townships; in lieu of four proposed to be laid out in that space by the Surveyor-General's Office in the plan of survey to be made, dated the 17th of May last; and further, the board do not consider it to be necessary to lay out any inland townships there at present; but they recommend that the vacancy between Kingston and Pitsburg, containing about ten thousand acres, as appears by the Sketch No. 5, accompanying their report, may be surveyed as far back as the northern boundary of Kingston, and annexed to that township, and this Committee concur with the board in the expediency of that proposal.

The Committee agree with the Land Board in opinion that instead of a Deed under the Great Seal to every individual for the lands he may have located, some other method may be followed under a law of the Province to enable the possessor to hold an inheritable or assignable estate in the said lands.

The board state that they are yet without any regular plan of the Township of Marysburg. The Committee observe that Mr. Aikin, the Deputy Surveyor, has been ordered repeatedly to furnish the Land Board with that plan. Upon the last part of the reference directing the Committee to report the grounds of a seeming contradiction with respect to the proper season for beginning surveys

in the upper districts, the Surveyor-General's Office, supposing the month of April to be a proper season for field work, and the Land Board of Mecklenburg appearing to be of a contrary opinion, and in consequence thereof, have permitted the surveyor of their district to be absent from his duty until the first of May or the first of June. The Committee beg leave to state to Your Excellency, from the information of Mr. Collins, the Deputy Surveyor-General, that he considers surveyors in the District of Mecklenburg may commence and make good progress in field work from the beginning of March by working in the early part of the season on the high land until the waters subside from the low grounds; and he states in support of this assertion that it appears by the Contingent Accounts returned to the Surveyor-General's Office by the Deputy Surveyor, Mr. Aiken, that he has been employed on surveys in that district as early as the month of March. All which is most humbly submitted to Your Excellency's consideration.

HUGH FINLAY, in the Chair.

Quebec, 9th Dec., 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) on the proceedings of the Land Board of Mecklenburg from the 23d March to the 29th June, 1791.

May it please Your Excellency: A letter from the Land Board of Mecklenburg enclosing their proceedings from the 23rd March to the 29th June last, accompanied by the petitions for grants of the waste lands of the Crown, together with the surveyors' schedule of locations made for that period, all referred by Lord Dorchester to this Committee have been examined with due attention, and they humbly report thereon:

That the certificates issued by the board upon the petitions presented for grants of the waste lands of the Crown have been given in conformity to the Rules and Regulations for the Conduct of the Land Granting Department; that the petitions indorsed "Refused" appear to have been rejected on good grounds, and that those that have been "referred to the consideration of Your Excellency-in-Council" stand as follows:

John Everet as Captain of Associated Loyalists prays for 1,950 acres.

William R. Bowen, Lieutenant, in the Indian Department, prays for 1,400 acres.

Richard Ferguson prays for lands due to his deceased brother, Lieut. Israel Ferguson, of the King's Rangers, 1,600 acres, for the benefit of his legal representatives.

They all claim under His Excellency Lord Dorchester's Order-in-Council of the 28th October, 1788, and 21st July, 1790, and upon the statements of these petitions entered upon the Minutes of the board, this Committee conceive that certificates may be granted to the claimants.

Geo. Galloway (he cannot shew a Commission) claims 1,300 acres of land, having been considered, as he states, as a Lieutenant of Associated Loyalists, and as such he received 500 acres in 1784 from the Deputy Surveyor-General under the Instruction of 1783. The Committee submit whether this petitioner's case may not be sent back to the Land Board, with directions to grant his request provided he can satisfy them that he did act as Lieutenant of Associated Loyalists, as by him set forth.

Thomas Sparham, Barrack Master and Hospital Mate, in the opinion of the Committee is not entitled, in consequence of Lord Dorchester's Orders of 28th October, 1788, and 21st July, 1790, to receive lands in proportion with the Subalterns of the 84th Regiment.

Christopher Georgen's petition for a town lot (No. 93) should not, in the opinion of the Committee, be granted, as he is already in possession of one lot on which a house is built where he actually resides, and seeing the board consider his application is made with an intention to monopolize, which, by the rules and regulations is to be guarded against.

The Committee beg leave to observe that His Excellency Lord Dorchester's Instructions to the Surveyor-General and Deputy Surveyor-General, read at the board on the 1st June last, should (regularly) have been entered upon the Minutes, in conformity to the Rules and Regulations for the Conduct of the Land Office Department.

The Committee next considered a letter from the Land Board (Mecklenburg) of the 10th August last to Mr. Secretary Motz, recommending Richard Cartwright, Sen., and William Atkinson, Esq., as proper additions to strengthen the Land Board. And stating that the board had not been able to comply with that part of the 6th Art. of the 3d Addition to the Regulations for the Conduct of the Land Office Department of 20th January, 1790, authorizing the boards to pledge the faith of Government for grants of such additional lands to reduced officers as shall be approved by the Governor-in-Council, not having received the Governor's directions respecting the form of the certificates of occupation to be issued to this class of applicants. And the board add: That their inability to comply with the regulation above stated is matter of complaint among the gentlemen concerned." In obedience to His Excellency Lord Dorchester's commands to report the form of a certificate for grants of such additional lands as shall be approved by the Governor and Council agreeable to the 6th Art. of the 3d Addition to the Regulations of the Land Office Department of the 20th January, 1790, the Committee humbly submit the annexed form to Your Excellency's consideration. All which is nevertheless submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 9th Dec'r, 1791.

FORM OF CERTIFICATE

No.....

CERTIFICATE of the Board appointed by His Excellency the Governor for the District of....., in the Province of Quebec, under the Rules and Regulations for the Conduct of the Land Office Department, dated Council Chamber, Quebec, 17th February, 1789.

His Excellency The Right Honourable Lord Dorchester, Governor-General, having been pleased by His Orders-in-Council of the 22d of October, 1788, and the 21st July, 1790, to put all reduced officers without distinction of corps, who have improved the lands already granted to them since the Peace of 1783, upon a footing with the officers of the 84th Regiment, with respect to the number of acres by them to be received:

This is to certify that the Bearer..... having received but.....has a just claim for a further grant of.....to make up the quantity of.....acres to which he is entitled as a reduced....., and we hereby direct you to assign the same to him in the Township of.....in the District.....

To

Acting Surveyor for
the District of

CERTIFICATE OF THE ACTING SURVEYOR

I assign to the Bearer.....
the Lots Nos....., in the Township of.....
in the District of....., containing..... in
conformity to a Certificate and Order No..... from the Land Board
Office of..... to me directed and bearing date the
.....day of....., 179...., which lands
the said..... is hereby authorized to occupy, in order
that he may receive a Grant thereof to him and his Heirs or Assigns in due form,
on such Terms and Conditions as it shall please His Majesty to ordain.

Given at.....this.....day of
....., One Thousand Seven Hundred and.....

.....

Acting Surveyor for the District of.....

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant): In obedience to Your Excellency's Order-of-Reference of the 6th instant, the Land Committee have considered the Minute of the Land Board of Luneburg of the 6th of April last, together with the petitions and schedule therein alluded to, and they humbly report thereupon: That they find by the Minute that the certificates issued by the board on that day correspond with the schedule, and have been granted in conformity to the Rules and Regulations for the conduct of the Land Office Department; that the two petitions indorsed referred, viz., Joshua Loussee for himself and his two sons, setting forth that they drew No. 9-10 and 11 in the fourth concession of Matilda, in a swamp, unfit for cultivation, and praying permission to give up these lots, and for an order to obtain good land in lieu thereof, that they may improve the same.

The Committee join the Land Board in recommending the prayer of this petition, and submit whether the board may not be authorised to decide ultimately in all similar cases, taking care to take back from the petitioners the Deputy Surveyor's Certificate of Location for the bad lands they may have relinquished.

The other petition is from Mary Weager, praying, as the daughter of a loyalist, for 200 acres of land under Lord Dorchester's Order-in-Council of the 9th November, 1789. The Committee join the Land Board in recommending that the petitioner may obtain a Location Certificate for 200 acres. All which is humbly submitted to Your Excellency's consideration.

HUGH FINLAY, in the Chair.

Quebec, 16th December, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant):

May it please Your Excellency: The Land Committee, in obedience to Your Order of Reference, dated the 6th of this month, have duly considered the Minutes of the Land Office Board of Luneburg, between the 3d May and the 10th of June last, together with the petitions therein stated, upon which the Committee humbly report to Your Excellency: That the certificates issued by the Land Board to the applicants for lands agree with the schedule accompanying them, and it appears by the Minutes that they have been granted in conformity

to the Rules and Regulations made for the Conduct of the Land Office Department. The Committee join the Land Board in recommending the following petitioners for grants of the number of acres set down opposite to their names respectively for the reasons stated in the Minutes of the board, viz.:

Nancy Ault for 200 acres, Mary Freeman for 200 acres, Sylvia Merrick for 200 acres, Rebecca Sythe (or Syllce) for 200 acres, Sarah Baxter for 200 acres, Eve Wright for 200 acres, Ch. Booth and brothers for 500 acres, Mary Hanes for 200 acres, Elizabeth Hicks for 200 acres.

The following petitions are indorsed with these words: "Recommended by the Board," viz.: Abigail Camstock claims, as the stepdaughter, and Levi Campstock, as the stepson of a loyalist; but they cannot be benefited in that quality by His Excellency Lord Dorchester's Order-in-Council of 9th November, 1789; yet as the Land Board recommend them, they may receive 200 acres each as settlers, if so Your Excellency shall please to direct.

Daniel Jones, as guardian to the heirs of Lieut. Solomon Johns, deceased, applies for 1,300 acres; but as no mention is made of the corps to which Lt. Johns was attached, the Committee recommend that his petition may be returned to the Board, and upon their being satisfied that he comes within the meaning of the Order of the 22d of October, 1788, Daniel Jones's prayer may be granted.

Ensign Roger Stevens sets forth that he, conceiving himself to be entitled to an addition of 1,600 acres, that he located the same on the River Rideau, and has made considerable improvements thereon, but he finds since the said river has been surveyed, the tract he has sat down upon will interfere with the reserves destined for the use of the Crown, yet prays, in consideration of the expence he has been at in clearing the land, making roads and in building, that he may be suffered to keep possession; and the Land Board recommend that he may be permitted to hold his 1,600 acres there, assigning as a reason to induce Your Excellency to indulge him in his request, that he is the first who settled on the River Rideau, and that he had the sanction of the Land Board to make a choice of his scite.

If by the sanction of the Land Board is meant that Mr. Stevens obtained a certificate directed to the Acting Surveyor to measure off the tract in question, the faith of Government is pledged that Mr. Stevens shall receive a grant thereof to him and his heirs or assigns; yet by the V Art. of the Rules and Regulations for the conduct of the Land Office Department of the 17 February, 1789, the Land Boards may not grant certificates for more than 200 acres to any individual (except for bounty and family lands), but they are directed to report all applications that may from time to time be made for greater quantities and to state the grounds of the pretensions of the claimants, the consideration of which is reserved to the Governor and Council.

The Committee considering that Government has already consented to deviate from the General Rule laid down for laying out four townships on the River Rideau, by which the reserves for the use of the Crown are thrown into the back corners of the said four townships, they cannot join the Land Board of Luneburg in recommending the prayer of Mr. Stevens's petition in whole, but the Committee submit to Your Excellency (all the circumstances of the petitioner's case considered) whether he may not be permitted to hold two hundred acres round his house, to include all his improvements and to have the remainder of his claim granted as near his two hundred acres as may be, but not within the limits of any reserve for the Crown.

Peter Lukin, resident in Montreal, by his petition prays for 500 acres in the Township of Marlborough on the River Rideau, in consideration of his

loyalty, and to compensate for a house, his property, which was burnt in His Majesty's service in the year 1775.

The Committee upon this petition pray leave to observe that all the King's subjects are or ought to be loyal, so that the petitioner's claim on that score alone is not admissible. They cannot recommend that any loss he may have sustained by the chance of war shall be recompensed by a grant of a portion of the waste lands of the Crown.

Charles Blake by his petition prays for 1,900 acres of land to compleat the quantity he claims under the Order of His Excellency Lord Dorchester of the 22d October, 1788, considering himself entitled to a Captain's proportion and on a footing with the officers of the 84th Regiment in consequence of his having served as Garrison Surgeon of Montreal during the late war. The Committee do not find that the petitioner is comprehended in His Lordship's Order of 1788 or of that of the 21st July, 1790, they cannot therefore join the Land Board in recommending the prayer of the petitioner.

William Jones, Provost Marshall of the Town of Montreal prays for 400 acres of land promised him since last war; and further, he applys for a Subaltern's proportion of land under Lord Dorchester's Order of the 22d October, 1788. The Committee do not consider that under the Order alluded to by the petitioner, he is entitled to any land as Provost Marshall; but they humbly submit to Your Excellency whether the Land Board may not be authorised to grant him a certificate for 400 acres on the River Rideau on their being satisfied that he has claim thereto by any former Order of Survey, by promise, or otherwise, of which, however, Mr. Collins, the Deputy Surveyor-General, has not the least recollection.

Samuel Wright, stiling himself a reduced Subaltern of Major Jessup's Corps of Loyal Rangers, states that he is entitled to 650 acres, the remainder of 2,000, his proportion as a Lieutenant, having already received 1,350 acres; and he prays that the quantity due to him may be laid off on the River Rideau and comprehended in the tract set apart for the Loyal Rangers. The Land Office Board observe upon this claim that the petitioner never held a Commission, nor ever received pay as a Subaltern; but from his merits the board consider him to be deserving of an addition to the quantity he has already received and recommend that a certificate may be allowed him for 500 acres, in which the Committee join, but not in consequence of the petitioner's conception that he is entitled to that quantity under Lord Dorchester's Order of October, 1788.

Three petitions accompanied the Minutes of the board, but none of them is therein mentioned, nor in the schedule transmitted therewith. The joint petition of Owen Cameron and John Ault, loyalists, dated 5th April, 1791, prays the Land Board to confirm the Location Certificates they received on the 17th December, 1787, from The Honourable John Collins for lots Nos. 3 and 4 in the 8th Concession in the Township of Cornwall, and stating that they have improved the same, and built houses and barns thereon; but Mr. Chewet's (Acting Surveyor of the district) information has alarmed them; he says the name of Scott is marked upon the lots Nos. 3 and 4, which, as they apprehend, has been inserted with a fraudulent intention. Nothing of this representation as is above stated is mentioned in the Minutes, but there is an indorsation on the petition in these words: "Disputed Title, examined and enquired into by the board, and the petition of the applicants granted 10 June, 1791."

The second petition, not mentioned, is Jeney Hunter's, applying as the daughter of a loyalist; 'tis indorsed "Rejected 10th June, 1791, on account of her father not having served as a loyalist"; and the third petition is from Charles McArthour and twenty-one associates, dated Ninth Township, April 25th, 1791.

stating that they were settled there, and had improved their lands; that the township has never been divided in a proper manner, and to prevent disputes they pray it may be surveyed and laid out into lots as has been customary. The petition is indorsed "Referred to His Lordship-in-Council."

The Committee humbly conceive that the request of those petitioners is reasonable, and indeed the work appears necessary to prevent confusion in the township distinguished by the name of the ninth township by the petitioners, and called upon the map of Luneburg in the Surveyor-General's Office No. 9 and 10. All which is most humbly submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 16 Dec'r, 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant).

May it please Your Excellency: The Land Committee have the honour to report upon the Minutes of the Land Board of Luneburg sitting at Cornwall, between the 25th August, 1789, and the 7th December, 1790, that it appears that all the petitions presented to the Land Board during that period have been for such quantities only of land as are required to be granted by the Land Board without reference to the Governor and Council by the IV of the Rules and Regulations for the Conduct of the Land Office Department of the 17th February, 1789, and the schedule transmitted with the petitions agrees with the entries made in the Minutes, none of the certificates being for more than 500 acres including bounty and family lands, excepting the following:

Lieut. Angus McDonell, 71 Regiment, 1,500 acres; Capt. John McDonell, R.R. of N. York, 2,300 acres; Lieut. Edward Jessup, Jun., 1,800 acres; Major Edward Jessup, Sen., 3,800 acres; who, upon petitions by them presented to the board and filed the 10th Septr., 1790, obtained Location Certificates for the quantities prayed for as officers of reduced Provincial corps, under the Order of His Excellency Lord Dorchester of the 22d October, 1788.

It would appear that the board, in granting those certificates, did not advert to the Rules and Regulations for the Conduct of the Land Office Department, for by the V Article, the Land Boards are directed to transmit to the Governor and Council all applications for grants exceeding the number of acres which by the IV and VII Articles they are authorized to assign.

These applications should all have been reported, with the grounds of the petitioner's claims, the consideration of which is reserved to the Governor and Council. An Order of the Governor-in-Council has been passed already for laying out 3,800 acres for Major Jessup and 1,800 acres for Lieut. Edward Jessup. It is humbly submitted whether it may not be advisable by an Order from Your Excellency to confirm the grant thus made to Capt. John McDonell. The Committee are of opinion that Lieut. Angus McDonell does not come within the meaning of His Majesty's Instruction to General Haldimand of 7th August, 1783.

The Committee next proceeded to consider the paper indorsed "Observations of the Land Board of Luneburg on the Reservations in the new Townships, 4th October, 1791 (signed), John Munro," mentioned in a letter of the same date, accompanying the Minutes of the Land Board of Luneburg sitting at Matilda, wherein is stated the apprehensions of the Land Board that the tracts proposed to be reserved for the use of the Crown in all townships lately laid out, or that may be hereafter laid out, will operate as a great drawback on the settle-

ment of the waste lands of the Crown, and that the reduced Provincial officers who have applied for grants in the new townships on the River Rideau cannot prevail upon themselves to take their lands without their full proportion of front upon the river. The board submit, whether a reservation in the middle of every township, of one entire concession or range of lots, might not answer the views of Government, equally well with the proposed reservations in the four corners. They suggest that in time that reservation would become very valuable, and that even the timber would be shortly of more value than the land.

The Committee remark upon the foregoing observation of the Land Board, that the center range of lots in the different townships would exceed in quantity the eight farm lots adjoining each other now reserved in the corners of every inland township but be three lots short of the quantity to be reserved in the corners of every township situated on a navigable river.

From the concurring opinions of the different Land Boards in the Upper Districts, touching the retention of the corner lots in the lands of the Crown, the Committee are inclined to consider that the adoption of the plan suggested by the Land Board might tend to encourage the speedy settlement of the waste lands of the Crown, but Government may have reasons for preferring the corners of townships (unknown to this Committee) as the scite of the proposed reserves.

A report was made to His Excellency Lord Dorchester upon Lieut. Hugh Munro's claims in February, 1791, founded on the information given by the Deputy Surveyor-General; and on revising that matter the Committee do not find cause to alter their former opinion; and further, His Excellency Lord Dorchester, by his order of 31st March, 1791, reserved the petitioner's claim, to be ranked as a Captain for further consideration upon such proofs as he may think fit to adduce, seeing the Land Board consider the petitioner to be well meriting the attention of Government on account of his past services. The Committee humbly submit whether the petitioner, Lieut. Munro, may not obtain from the board at Luneburg a certificate for 2,100 acres in addition to the quantity he has already received, but not to be considered as a grant by virtue of His Excellency Lord Dorchester's Orders-in-Council of the 22d October, 1788, and 21st July, 1790. All which is humbly submitted to Your Excellency's consideration.

HUGH FINLAY, in the Chair.

Quebec, 16 Dec., 1791.

Read a report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the proceedings of the Land Board of Hesse from the 16th to the 30th of September, 1791:

May it please Your Excellency: The Land Committee in obedience to Your Excellency's Order of Reference of the 6th instant have fully considered the Minute of the Land Board for the District of Hesse of the 13th September, and they have the honour to report thereupon: That the case of Frederick Amoed, as stated on the Minute, seems particularly hard. It appears that seven years ago he brought with him into this Province 25 families, and that neither himself nor any of his followers have been able to procure a foot of the waste lands of the Crown to settle upon and improve for the benefit of their families; they have been obliged to hire farms, and Mr. Amoed himself to purchase one, which is not sufficient to occupy his family. That immediately upon the survey of the lands at the River La Tranche he marked for himself and his eldest son two unclaimed lots, for which he immediately petitioned the board, not presuming to make improvements without leave. He has the mortification to find one Gibson,

formerly a Ranger, and a new-comer named Watson set down upon and improving those very lots, which he apprehends may occasion difficulty to him in discussing his claim. The people he brought with him reproach him daily, and threaten to return to the States, as they see no prospect of obtaining lands at Detroit. That seeing so many obstacles have been from year to year thrown in the way to obstruct the settlement of the country, he concludes with praying the board would immediately take his hard case into their consideration.

The Committee observe on the foregoing statement of Mr. Amoed's case, that he has great reason to complain, they consider that neither Gibson nor Watson have pretensions to the lots marked by Mr. Amoed for himself and son at the River La Tranche, and they humbly recommend that the Land Board of Hesse may be instructed to secure those two lots for Mr. Amoed and his son, and to assure the people who followed him into this country, that they shall obtain portions of land for themselves and families so soon as the necessary surveys can be compleated.

The Committee next proceeded to consider Mr. T. Smith's letter to the Land Board, dated the 8th September, 1791, entered upon the Minute, applying for payment from Government for past services as Clerk to the Land Board, but as the Board at Hesse make no observation upon the letter, this Committee cannot give an opinion upon the admissibility of his claim.

No further observation on the matter stated in the Minutes appearing to the Committee to be necessary on their part, they proceeded to consider a report in form of a letter from the Land Board of Hesse to His Excellency Lord Dorchester, dated the 23d of last September; upon which the Committee observe that the board had imagined from Lord Dorchester's Order-in-Council of the 23d July last that it was then conceived by His Lordship and the Council that all claims for lands made by loyalists and reduced troops in the District of Hesse were then nearly satisfied. But the Board states that from the delay of the purchase from the Indians, and the restraint the Board lay under from the Instructions, confining their operations to lands actually surveyed and unclaimed by Indians, they have not been able to locate a single petitioner, excepting upon one irregular tract on Lake Erie where divers families were placed before the Land Board was constituted; and continuing to assign reasons why they have granted no Location Certificates, although they have before them above three hundred applications for lots, they set forth that they could not proceed from want of the general and particular survey required by the General Instructions, and declared to be indispensably necessary by a report of Council of 28th June, 1790, but which they have not been able to obtain neither from the Surveyor-General's Office at Quebec nor from the Acting Surveyor on the spot; and they refer His Lordship to the several reports and communications of the Acting Surveyor to the Land Board on its respective instructions for partial surveys accompanying their report, that His Lordship at one view may see that no exertion has been wanting on the part of the board to effect the object in view.

The Land Board next refer His Lordship to the whole of their proceedings from time to time as transmitted to the Office of the Governor's Secretary for a detail of the various difficulties to be combated and conquered by the board before the regulations for its conduct can be complied with. The Committee beg leave to refer Your Excellency to their report of the 29th November last, upon the difficulties and impediments here alluded to by the board, which appear to have obstructed the settlement of the waste lands in the District of Hesse; and where the Committee humbly propose the means of removing them.

The Land Board perceive a necessity for the assistance of two or more active and willing surveyors, for at least one season; and the Committee conceive that one surveyor is by no means sufficient for the pressing work to be done in the District of Hesse, that the discharged troops and loyalists may be no longer disappointed in their expectation of lands which they have so long anxiously looked for in vain. The Committee having gone through the report proceeded to consider the paper indorsed "Reports and Communications of the Acting Surveyor," alluded to by the board, and after having perused the whole with attention, they state that it appears:

That Mr. McNiff on the 22d May was enjoined to report on an actual survey of the front of the tract then lately ceded to the Crown, and to mark the boundaries of each township from Long Pointe on Lake Erie to the Streight, and to conform to the additional Rules of 25th August, 1790, in laying out the same. Mr. McNiff, the Acting Surveyor (25 June), conceives the survey lately performed by him to have been made under the authority of the Commanding Officer, Major Murray. He has had no official communications from the Land Board; nevertheless he will deliver to their Clerk a copy of the report he made to the Surveyor-General on the 24th June, and he informs that he is now ready to execute the Board's orders.

His report to Major Murray states: The nature of the shore along the lake is improper for the scites of townships from their very high situation inaccessible to the lake; and although in some places the land is good, in others the soil is clay and yellow sand, extending from one to two miles and a half back from the shore, and some is marshy, in short, very unfit for townships that by the proposed plans are to be skirted in front by water.

On 2d July, the Board ordered a survey of the front of the tract lately ceded to the Crown along the shore of Lake Erie from Long Pointe to the Isle Bois Blanc, to be guided by the 10th Article of the Rules and Regulations of 17th February, 1789, and 3d Article of additional Instructions of 25th August, and they directed the surveyor to report the deviations from the Rules, should any be necessary. On the 3d July, the Acting Surveyor reports that a scite of a township of ten miles good land fronting the lake (where the Rules can be followed) commencing at the east side of Point Aux Pins, another from the east end of the present new settlements up to Detroit River 20 miles, but of which 15 miles in front is already occupied which will prevent a town from being laid out there. On 30 July, 1790, upon observations made by Mr. McNiff, the Board make an alteration in the order of the 2d July and ordered 4 townships to be laid out. On the 31st July, the Acting Surveyor, Mr. McNiff, informs the board that the last is not so explicit as the first order, which the board intended to mend; and informs the board that the uncertainty he is in, in consequence of their orders, prevents him from proceeding. On the 11th August an amended and full order is given to the Acting Surveyor by the board. On the 3d September, it appears that the board received a rough sketch of a survey of the front of two townships on the Streight of Lake Erie, conformable to the instructions of 11th August.

On the 24th September, the board called on Mr. McNiff for information as to the time they might expect a regular plan and report of the survey ordered on the 11th August. Mr. McNiff requested the further indulgence of the board for his report. On the 8th October, the Acting Surveyor informs the board that the two first townships on the River La Tranche cannot be laid out agreeable to the General Plan without dispossessing the inhabitants of their improvements, and on that day the board received the general survey.

On the 29th May, 1791, the Board required a duplicate of the general survey from the Acting Surveyor as they had sent the original to the Land Committee at Quebec, and at the same time desired to have his operations at the Riviere a la Tranche. On the 3d of June, the board called on the Acting Surveyor to enquire why the survey of three townships reported on the River la Tranche does not correspond with the general survey in conformity to the 9th and 10th Articles of the Rules and Regulations of the 17th February, 1789, and the additions of 25 August.

He states that his bad health in October, 1790, permitted him to take but a cursory survey of the River la Tranche, and he took the bearings upwards no further than 17½ miles from its entrance; he could then go no farther. That on his second plan he did not think it necessary (as the board were in possession of the first) to state the remarks he had already made. He stated to the board that on the south side of the river, from its entrance to the place where he commenced the first Lot No. 1 no settlement can be made; from thence to Lot 19 the land is thickly inhabited with two or three familes on some lots, upon which some of them have been settled a number of years prior to the existence of the present Rules and Regulations for the conduct of the Land Granting Department; and they have good buildings thereon surrounded by extensive improvements; but independent of this circumstance, the nature of the country backwards being all swamp will not admit of the proposed plan of settlement. On the second township he observes the reserves have been laid down and the different concessions marked as may appear by the plan before the board. Proceeding to survey the third township he found that at the end of the 12th lot the river takes a turn much more southerly than he expected; he therefore desisted from further operation and returned to the Garrison. He adds, that finding so many people already settled in front of these townships he made two plans, one conformable to the general rules and regulations and the other dividing the lots into such farm lots as is directed by the Standing Order of Survey to be given to farmers placed by the board upon the lands, as may now appear by the plan, reference thereunto being had.

On the 29th July, the board enquired of the Acting Surveyor if from the survey he has made he can ascertain to the board whether two townships can be laid out agreeable to the general regulations, between the reserve at the River Canard, and the River La Tranche, without interfering with the rear lines of the two connected townships on Lake Erie, or those of the townships directed to be laid down on the River La Tranche and what the interference will be, if any.

Mr. McNiff in answer states that there is not sufficient distance between Lake Erie and Lake St. Claire to give two townships of 12 miles depth each, and that from the windings in the course of the Streight no right angle or line can be extended conformably to the present Instructions. From the north boundary of the Reserve, the depth may be had for about three miles up the Streight, but there the water takes a circular course to Peach Island, from thence a township may be laid out fronted by Lake St. Claire about 11 miles by an unequal depth of between 8 and 9 miles, before it will strike the rear of the two connected townships on Lake Erie. But the upper township from Peach Island may be laid out nearly conformable to the General Rules and Regulations, being at present uninhabited. The lower from Peach Island to the Reserve is irregularly settled in the front, the township may be distributed by forming its front upon the side line of the upper township.

On the 6th August, the board directed the Acting Surveyor to make a survey from Lake Erie running north along the east boundary of the second township

until he should strike the south shore of Lake St. Claire, then, from the north boundary of the Reserve at the River Canard, beginning at the water's edge, run due east, to intersect the east boundary of the said second township, thence back on his line 11¼ statute miles (or 900 chains), thence due north until he should strike the south shore of Lake St. Claire.

On the 28th August, the Acting Surveyor reported that he commenced his operations at the north boundary of the Reserve at River Canard; from whence he run his line due east for some distance above the forks of the River Canard, when he was stopped by extensive marshes not passable on foot nor in a canoe at that season; he struck his course through the woods to the place where his boat lay waiting for him; he travelled two days and part of a third through marshes, got to the boat and proceeded to the east boundary of the second township, and from thence run due north, and through a marsh a mile wide, then continued 355 chains from the front, but could proceed no farther, being stopped by impassable marshes; and he thinks a line cannot be run in any one direction between Lake Erie and Lake St. Claire. He is of opinion that in the three townships there will not be found six farm lots in the second concessions if laid out agreeable to the present mode of surveys; but many good settlements might be made, provided settlers may be permitted to sit down where the land projects out in angles into the extensive marshes. Unable to proceed after many fruitless attempts, he concluded it would be expedient (seeing he was furnished with a surveying party) to lay out the front eastward to the bottom of Pointe Pelée; as also the front of the second concession of his last survey, where the land would admit, and he represented to the board that he was then ready to lay down upon paper his late surveys and deliver them for the use of the board, as soon as the board shall enable him so to do, by furnishing him with paper and lead pencils for that purpose.

It appears to the Committee from the foregoing reports and communications made by the Acting Surveyor in consequence of orders to him issued by the Land Office Board for the District of Hesse, that owing to the nature of the country interspersed with extensive swamps and marshes, there are but few situations yet explored, where townships could be laid out and divided into lots in conformity to the General Plan; and from the clear and comprehensive view of every matter that concerns the Land Granting Department in the District of Hesse, exhibited in a letter of 6th May last from the Land Office Board, together with two letters from the Acting Surveyor of that district and a letter from Sir John Johnson, Bart., Superintendent-General of Indian Affairs, in answer to letters written to them the 19th January last by order of the Land Committee, all hereunto annexed, the Committee humbly submit whether deviations from the X Article of the Rules and Regulations for the Conduct of the Land Office Department of 17th February and 25th August, 1790, may not be permitted wherever the Land Board may perceive that a steady adherence to the General Model would tend to retard the settlement of the waste lands appertaining to the Crown on the important frontier of Detroit. All which is nevertheless humbly submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Quebec, 16th Dec'r, 1791.

COPIES OF THE LETTERS REFERRED TO IN THE FOREGOING REPORT

Detroit, 6th May, 1791.

Sir: The Land Board for the District of Hesse have before them your letter of 19th January last. This board, as such, has regularly communicated its Minutes of proceedings to the office of the Governor's Secretary, in which it will appear that until the 21st of May last, when the purchase of a Tract of Country, from Long Point to the Channail Ecarté was obtained from the Indians, the Crown had no waste lands within the district, known to the Land Board, except a square of seven miles, at the River Canard, on the Streight, which had been ceded by the Ottawa and Chippewa Indians to the King's use by deed of 15th May, 1786. The Cession of 7th June, 1784, by the Chippewa and Hurons, of a similar tract at the mouth of the Strait, being claimed to the use of certain officers and soldiers, who had served with the Indians. All other settlements in this district, except a few on the Strait by grant from the French King, being on private purchases from the Indians to the occupiers or their lessors. That his Excellency the Governor's Instructions to this board of 2d Sept., '89, prevented the location of the tract at the River Canard, which was claimed by Alexander McKee, Esquire, for the use of himself and his particular friends, by a petition referred to this board by my Lord Dorchester's Order of 21st January, 1791, but withdrawn by Mr. McKee, 14th May, '90, and not since returned.

From the day that the purchase was announced to the board, no exertions on its part has been able to procure from the Surveyor-General's Office the returns of survey of a single township in which they could locate the petitioners under any of the several instructions issued from time to time respecting the settlement of the waste lands of the Crown in this district. As to the Reservations at the River Canard and Huron Plain, this board did suggest that they would utterly obstruct the execution of my Lord Dorchester's Instructions of 2d Septr., '90, for laying out a County Town, on the east side of the Streight, and the proof of that suggestion was exhibited in the same report, stating that there was no other unimproved land, on that side the Streight, the whole being settled either under the grants of the French King or private purchases from the Indians, countenanced by the several Commanding Officers, and Lieutenant-Governors of Detroit who had received the rents and fines on such speculations as well as upon lands possessed under the sanction of the French Crown.

As to the object and use of those Reservations, this board can speak but negatively, having supposed the land at the River Canard to be already vested in the Crown by the deed of gift of 15th May, 1786, and having been but a very short period before the said 21 May pressed by Mr. McKee, the agent for those Indians, to recommend to the Governor the prayer of his petition for that very tract, this board can only say that they see no good object or intended use in reserving a waste in the heart of the settlement, which must unavoidably interrupt its communication, and must refer the Committee of the Honourable Council to Mr. McKee for the sudden cause which rendered it so essential to the comforts of the Indians.

For part of the Reserve at the Huron Plain, there is sufficient obvious cause; the Hurons being practical Christians, and using the remains of their abandoned village as retreats when they come up to attend Divine Service at the Church built on that Reserve; but this extends only to a square of about four acres, and in no way interferes with the extensive plain, between the Church and the River au Gervaise, which might afford a scite for a County Town, knowing no specific object or intended use in those reserves (other than occasional convenience of

the Christian Hurons, which the Board could not wish to interrupt) it is difficult for the board to doubt the practicability of satisfying the Hurons in any other part of the district, but the board with submission to the communication from the Honourable Committee takes leave to observe that from the even tenor of the last cession it does not appear that the satisfaction is to be made to the Huron Indians the Reserve being general, for the use of the Indians generally, and the original proprietors of the land at the River Canard appearing to be the Ottawa and Ochipué Indians from their cession of that tract to the Crown received by the Deputy Agent to the King's use, as we have had the honour to state above. And we submit, if the Ottawa and Ochipué Chiefs, who were parties to both deeds, the cession of 15th May, 1786, and the reserve on 21 May, 1790, were again assembled, and the two deeds laid before them, they would require no additional satisfaction whatsoever for the total dereliction of the tract at the River Canard, reserved in their cession, unless they should represent an expected consideration for the cession in 1786, which they did not consider as comprised in the presents made them in 1790.

Should this our opinion upon trial be founded in error we submit for the consideration of the Honourable Committee that the incorporation of that tract into the district is highly desirable on many accounts submitted in our reports to the Governor of 28th May, 1790, and more particularly so to the settlers, on account of an extensive and deep stratum of lime stone within it, being the only one known in the district, besides that of Stoney Island in possession of Mr. William McComb. The board would be happy to obey the commands of the Honourable Committee to state our ideas of a survey of the waste lands of the Crown in this district sufficient to effectuate their settlement at the least expence to Government, but finds itself incompetent to the task of such a statement with sufficient accuracy to guide the judgment of others.

We subjoin a sketch of the tract for settlement, the very face of which shews that the whole should be accurately laid down on paper before a second township from the water should anywhere be laid off, least the lines of the one should interfere with the other, as in Cornwall and Luneburg, pointed out in the diagram communicated to this board by J. Williams with a transcript of the proceedings in Council holden at the Castle of St. Lewis on the 7th March, 1790.

There are scattered settlements on the Lake Erie and R. La Tranche from AE to AO and from NR to NP on the plan, the former under the sanction of the Commandants of Detroit, confirmed by this board, the latter without any authority but Indian grants.

The delays which have protracted the settlement in this district have been such as we presume to offer in excuse for the disobedience of these people; the necessity which drove them to it was little short of self-defence. Neither of these ranges of settlements leave space for the plan adopted in the Regulations of 17th Feby., 1789, but had the board been able to procure at first the survey of a single township on the approved plan, the same excuse would not exist for protecting the settlers in their present improvements; having promised this much, we submit as our opinion that however great the first expence may be it is indispensably necessary to the future quiet of the settlers, and for the assurance of the Royal Grant that a survey of the whole tract purchased should be before the board before they issue directions for any part of it to be laid out in townships and that no settler be located by the board without having before it a plan of the township in which he is to be placed. Any proceeding without such precaution must subject the board to error, the settler to confusion and litigation, and the Government to reproach.

The Surveyor-General's Office can certainly best calculate the expence of such a survey from experience of its own operations, but we presume to offer that if the method required by the 10th Article of the Rules of 17th Feb., '89, should be relinquished, a sufficient survey of a township to enable the board to grant locations might be done by a single surveyor and his party in ten days; we suppose in such a plan that nothing more need be done than to run the four sides, marking the road space between each concession and measuring off, staking out and numbering in the usual manner the front lots.

Upon such a plan of survey, the board could reserve the number of lots in any part of it, which might by the existing or subsequent regulations be required. The settlers on the front concession would find the lots from the surveyors' numbers, and those on the second and others might readily measure them off from the side line, reserving the adjustment of their particular lines in case of dispute between them, to a special survey at their own expence; observing at the same time, as our opinion, that this inconvenience may be obviated at an expence of 10 or 12 days' labour of a Deputy Surveyor and his assistants, for each township, and submit upon the whole, the propriety of leaving anything to be done by the settler towards the ascertainment of his lot.

(Signed) John Smith, Wm. Dummer Powell, Alexander Grant.

Letter from Mr. McNiff, Acting Surveyor, to Hugh Finlay, Esq.

Detroit, 3d May, 1791.

Sir: I am honoured with yours of the 19th January last, covering a copy of His Excellency Lord Dorchester's Orders of the 20th of October last to the Land Committee; since the receipt of which have been so busy in survey of lands on River La Tranche as to put it hitherto out of my power to make any report on the object of that Order.

There is not any one thing that hitherto may have impeded the peopling of this country so far as may have come within my observation that I have not transmitted below in as plain a manner as the nature of a cursory investigation would permit. I will now, for the information of His Excellency Lord Dorchester and The Honourable Land Committee, point out these evils in as explicit a manner as the nature of my different enquiries will allow.

When it first became an object of Government to people so important a frontier as this is, I believe every encouragement that settlers could reasonably wish for or expect was held out; but from the very remote situation of this place and its great distance from the seat of Government, abuses similar to those that I have seen elsewhere have (I fear) taken place particularly with respect to many of Col. Butler's Rangers, amounting to near one hundred able young men who have left the country in less than the space of one year owing to His Majesty's bounty of provisions, etc., being withheld from them; how far this may be true is to be proved, but the men have left the country and I fear lost to Government. This has greatly impeded the settling of the country and that with the best of subjects.

In the next place the various and almost unlimited claims made by individuals to tracts of land by virtue of Indian grants have been a great cause of keeping this country unsettled and will so long as they are suffered to exist; when settlers came from the States of America at the instigation of Government, instead of being placed on the waste lands of the Crown without delay, they were told that such and such particular tracts of lands as they may have pitched upon

was the property of individuals by virtue of purchase made of Indians and that the King had no land in this country; the consequence was that numbers of those intending to settle on the King's land returned again to the States. Others* of them for want of money to take them back were under the necessity of purchasing land perhaps of those persons claiming large tracts under Indian titles at the enormous price of £100 for one hundred acres of wild land. In order to continue this practice of selling land and prevent Government from settling the country, it has been reported at Fort Pitt through the instigation of some persons here, inimical to the interest of Government (and perhaps principal claimants), that all the land in this country was claimed by a few individuals and that the King had no land here; however, as Government has disapproved of such grants, it is to be hoped every obstruction to the settlement of the country arising from such claims will in future cease.

Another cause which at present greatly impedes the settling of this country is the present Standing Order of Survey for townships situated on navigable rivers or lakes; by that Order of Survey there are so many reserves made that only two farm lots can be granted in the front, two in the 2d and twelve in the 3d concession, a plan of survey in its nature so injurious to new settlers that none will consent to settle in the back concession and have so large a quantity of wood land in their front, through which they would at a greater expence and labour than new settlers can bear, have to make roads; this very great inconvenience and obstruction to the settling of the country I have about twelve months past pointed out to the Land Board of Hesse. In my surveys this spring I laid out four townships, two on each side of River La Tranche, in the manner directed by said plan of survey, but such as have applied for land will not go into the back concessions to settle while there is so much waste and unoccupied land front. I did at the same time mark the front of each of these townships into such farm lots as is directed by said Order of Survey, so that the Land Board might at any time grant them, when they were vested with authority to deviate from the present Order of Survey. In the townships surveyed on River La Tranche I found twenty-eight families settled in front, some with very considerable improvements, should the present Order of Survey be carried into effect there, it will remove every one of them from their improvements.

As to the Reserves of Land made at River Canard and the Huron Church for the use of the Huron Indians and others.† I have but little to say, only that I am fully persuaded the reserves when made were intended for that use and no other nor have I as yet heard of any intention of their being applied to any other use; but how far such reserves may or may not be injurious to the settlement of that part of the country the Inspector-General of Indian Affairs can best tell as he has last summer enquired very minutely into these matters. The reserve at the Huron Church is of no manner of consequence, being only a barren, sandy plain; that at River Canard is for reasons very valuable, and should a village or town be established in its vicinity (at Isle Bois Blanc) that reserve will prove very injurious to the interest of the inhabitants; those already settled there, Caldwell, Elliot, Lamotte, &c., complain much of what they suffer in the loss of cattle and hogs by the Indians at present settled on that reserve. There are but two or three families who live there constantly, but many more resort there during the summer season for the purpose of raising Indian corn and beans. The Chief, Dewintate, who lived there and had the greatest claim to these lands, died about two months past, a circumstance which I think will be an inducement

*For instance, David England and other Quakers from Red Stone in Pensylvania.
†See my plan of survey transmitted to the Surveyor General's Office by last Winter's Express.

to the others to move from thence. The land, am of opinion, might be bought of them for a very trifling consideration and they equally as well provided for at River Chanail Ecarté, near the entrance of River St. Clair, on the north-easterly shore of Lake St. Claire, a situation where they can have little or no intercourse with the white inhabitants. There is no land in this country that would get inhabited so soon as the Reserve at River Canard was it not for the great resort of Indians to that place during the summer season, a circumstance ever unfavourable to new settlers in the vicinity of such a place.

By my survey of this country sent down last winter, the Land Committee will please to observe that all the land fronting on the easterly side of the Streight is thickly inhabited from the north boundary of the Reserve at River Canard as far up as above Peach Island in Lake St. Clair, many of these inhabitants have by their joint petition presented to the Land Board on the 22d ult., prayed for the 2d, 3d and 4th concessions in their respective rears, setting forth that if they could not have this granted the want of wood and hay would oblige them to abandon their front lots, in consequence of which I did on the 25th ulto. by Order of the Land Board take a cursory survey of their respective farms from the north boundary of the Reserve at River Canard upwards to near Maisonville's Mill, and find there is little or no woodland in that space until near the rear of the 2d concession, being a distance of near eighty arpents back from their front being formerly a plain. It seems rather hard to cut them off from wood, but if they are put in possession of the 3d and 4th concessions, the other back concessions in their rears will not in many years be settled; for these people, with very little exception, having once obtained their grants will clear no more land yearly than just what they require for fuel, having more land clear in the 1st and 2d concessions than they will occupy; this with the want of public roads will prevent English farmers from ever settling in the rear of the petitioners should their request be granted. From River Canard upwards I do not find one yard left for a public road to lead to the back concessions, each person passing through his own lot. The opening of roads at this place at proper distances from each other is an object that requires immediate attention, as it may be the means of inducing English farmers to settle back here sooner than go a great distance up River La Tranche; besides it will be a great means of strengthening this frontier which at present is inhabited only by Canadians.

(Sgd.) Patrick McNiff, D.S.

Second Letter from Mr. McNiff to Hugh Finlay

Detroit, 5th May, 1791.

Sir: In addition to what I have already observed on the nature of the present Order of Survey, I beg leave to suggest to the Honourable Committee the idea of a number of townships in succession to be laid out on River La Tranche, supposing ten in number, which will take up a space of ninety miles. According to the present Order of Survey no more than twenty farmers can be settled in front of that space and they so far distant from each other as to render it impossible for them to derive any security or support from their joint effort in their own defence in case of their being disturbed by the Indians who pass in great numbers up and down the river; at and near the sources of that river there are several villages of Delawares and Chipawas who some times (generally in going up) behave disorderly among the inhabitants by killing some of their cattle and

hogs, but not so much latterly as when they were but few settlers. This circumstance alone I think would be a sufficient inducement to place the inhabitants for their mutual defence closer on the front than can possibly be done by that Order of Survey. There is no man living could take more pains to keep the Indians orderly than Colonel McKee, the Deputy Indian Agent does; still notwithstanding when at a distance from him they often commit things they ought not, and they would not do were the settlement sufficiently compact.

(Sgd.) Patrick McNiff, D.S.

Letter from Sir John Johnson, Baronet, Superintendent-General of Indian Affairs, to Hugh Finlay, Esq.

Montreal, 27th Jany., 1791.

Sir: I have the honour to acknowledge the receipt of your letter by Order of the Land Committee of the 19th instant, inclosing a copy of Lord Dorchester's Order of Reference to them of the 20th of October last, together with the Resolve of the Committee of the 10th of December in consequence thereof, which I would have answered by the return of the post but for the departure of the express on that day for the Upper Districts.

I have the honour to obseve in answer to your request in consequence of the Resolve of the Committee that, as my opinion must be founded more upon official information than any other knowledge I would have acquired on the subject, I cannot give the Committee more satisfaction than by transmitting for their information a copy of a letter from Alexander McKee, Esq., Deputy Agent of Indian Affairs, on the subject and to which I beg leave to refer them.

From the best information I was able to collect when in the District of Hesse, of the causes of the difficulties and impediments that had obstructed the settlement on the east side of the Streight of Detroit, I found the following to be the principal, viz.: The not continuing to give permission to loyalists and emigrants from the States to take up land in the manner that had been authorized and practised by Major Mathews and Major Close, on the land ceded to the Indian Officers, &c., by the Indians previous to the establishment of the Land Boards, surveys of which had been made under the direction of one or both of those gentlemen, but were not considered as valid by the Land Board, as they did not conceive the land legally vested in the Crown, nor the surveyor properly qualified to act, consequently no certificates for land would be granted till the late purchase, and a proper survey thereof could be made, which naturally put a stop to all further progress of the settlement until those ends were obtained. A lapse of time of near sixteen months took place before any part of the survey was made, and in the interim some of the emigrants from the States, in order to support their families, purchased lands, and are settled, as I have been informed, on both sides of the treaty line, and some who came in last year were obliged to return to the States after having expended the little property they brought with them. There can be no other method adopted, in my opinion, to effect a regular and full survey of the Crown land than by employing a sufficient number of surveyors, and laying out the townships from front to rear, which I conceive to be agreeable to the King's Instruction on that head. No lines marked in the manner suggested by the Committee will answer, they have been tried, and only serve to create confusion and disputes among the settlers and will be the cause of much future litigation; perhaps as the demands for lands are not so great as

heretofore, the running of two or three concessions or more according to the population of the township might answer for the present. The present mode of laying out the townships on navigable rivers will totally overset the design of settling the country, as the whole of the front, except two lots, is laid out in a town plot and reserves, by which means the whole face of the country would remain in wilderness unless we are to suppose that cities and towns will rise up much faster than hitherto, now that the emigration from the States has been checked, and that Government will occupy the reserves or grant them to persons who will make immediate improvements on them. Such town plots might answer very well where good harbours or favourable situations may offer, and may be proper for, or likely to become a county town, or might answer in an inland country, but will never do on a navigable river.

Thus I have endeavoured to give the Committee every information that the time would allow of and I shall be happy if it proves any way serviceable to them or the public.

(Sgd.) John Johnson.

Indian Land Grant: Hesse

Know all Men by these Presents, that We the principal village and war chiefs of the Ottawa and Chippewa Nations of Detroit, for and in consideration of the good will, friendship and affection which we have for Alexander McKee, who has served with us against the enemy during the late war, have by and with the consent of the whole of our said nations given, granted, enfeoffed, alienated and confirmed, and by these Presents do give, grant and enfeoff, alien and confirm unto His Majesty George the Third, King of Great Britain, France and Ireland, &c., a certain tract or parcel of land situated on the south side of Detroit River, beginning at the line granted on the seventh day of June, One thousand seven hundred and eighty-four, by the Ottawas and Hurons, to Indian Officers and running an easterly course, along said line, until it arrives at the end of seven English miles, from thence a northerly course, bearing always in breadth seven English miles, from the said River Detroit, till it strikes the most northern branch of the River Canard, thence down the said branch and River Canard to the mouth thereof and from thence down the River Detroit to the place of beginning; also an Island in the Mouth of the said River Detroit, commonly known by the name of Bois Blanc, with all and singular the appurtenances unto the said tract of land and island, belonging, or in any wise appertaining and the Reversion and Reversions, Remainder and Remainders, Rents and services of the said premises and all the estate, right, title, interest, property, claim or demand whatever, of us the said Chiefs, or any one whatever of our said Nations, of, in and to, the said tract or parcel of land, or of, in and to every part and parcel thereof. To have and to hold the said Lands and Premises, hereby given and granted, or mentioned or intended to be given and granted unto His said Majesty George the Third, His Heirs and Successors, for the only proper use and behoof of His said Majesty George the Third, His Heirs and Successors, for ever, and We, the said Chiefs, for ourselves and the whole of our said Nations, our and their heirs, executors, administrators, do covenant, promise and grant to, and with, His said Majesty George the Third, his Heirs and Successors, by these presents, that His said Majesty, His Heirs and Successors, shall and lawfully may, from henceforth, and forever after peaceably and quietly, have, hold, occupy, possess and enjoy the said tract or parcel of land, hereby given and granted, or mentioned or intended to be given and granted with all and every of its appurtenances, free,

clear, and discharged, or well and sufficiently saved, kept harmless and indemnified of, from and against all former and other gifts, grants, bargains and sales, and of, from and against all former and other titles, troubles, charges or incumbrances whatever, had, done or suffered or to be had, done or suffered, by any of us the Chiefs, or by any one whatever, of the said Nations, our and their heirs, executors or administrators; And by these presents do make this our Act and Deed irrevocable under any pretence whatever of the said Nations, and have put His said Majesty in full possession and seizin by allowing houses to be built on the premises; In Witness whereof we the said Chiefs, for ourselves and the said Nations, have unto these presents affixed the marks of our different tribes at Detroit, aforesaid, the fifteenth day of May, in the twenty-sixth year of the Reign of Our Sovereign Lord George the Third, of Great Britain, France and Ireland, King, Defender of the Faith, &c., &c., &c., and of our Lord, One thousand seven hundred and eighty-six.

(Signed) Egushawa, Niquelon } their mark { Ottawas Bear Tribe

Chipewas

Shaboqew, Nayquosseon }

Wolf Tribe

Kenjiwanse

Eagle Tribe

Pondiac, Assinowee }

Tickconugosson, Misque cawpowee }

Signed in presence of
THOMAS WILLIAMS
JOHN CLARK
DANIEL FIELD

A true copy.

D. W. SMITH,
Secretary to the Land Office Board,
District of Hesse.

Read a report of the Land Committee upon the Instruments remaining in the Surveyor-General's Office, with an estimate of the probable Expense of Supplying the deficiency amounting to £383 in the following words:

To His Excellency Alured Clarke, Esq., Lieutenant-Governor and Commander-in-Chief of the Province of Quebec, &c., Major-General Commanding His Majesty's Forces in America, &c.:

Report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the Instruments remaining in the Surveyor-General's Office:

May it please Your Excellency: The Right Honourable Lord Dorchester having been pleased by His Order-in-Council of the 4th January last to direct the Land Committee to report a List of the Intsruments remaining in the Land

Surveying Office, or that are in the hands of the several Deputy Surveyors, distinguishing those appurtenant to the Office from such as may be private property, and whether any, and what kinds of Instruments may be wanted for the better execution of the work of that Department, together with an estimate of the probable expence for supplying the deficiency. The Chairman in order to obtain the List required applied by letter to the Surveyor-General's Office, and obtained from Major Holland the following answer:

Quebec, 31st January, 1791.

Sir: In answer to yours of the 28th instant requiring me to furnish the Land Committee with a List of the Instruments remaining in the Land Surveying Office, and in the hands of the several Deputy Surveyors, I have to inform you that as no allowance of Instruments has ever been made to the Land Surveyor-General of the Province of Quebec, of course there are no Instruments appertaining to his office, those, made use of in his Department, being the private property either of himself or of his deputies; and of the number in their possession I can only mention such as were commissioned out from London by me, about six years ago, and sent me by Messrs. Watson & Rashleigh, being six of the best improved horizontal theodolites, for the following gentlemen, viz., Mr. O'Hara, at Gaspée; Mr. Vondenvelden, Chaleurs Bay; Mr. McCarty, St. Thomas; Mr. Fry, Detroit; Mr. Aitkins, Kingston, and one for my son groved with cross levels; three more were likewise sent out by me when in England two years ago, and are at present in the hands of Mrs. De Pencier, Pennoyer and Bedar, the whole of these instruments have circular protractors of the same divisions and dimensions of the instruments with spare barr needles agat cap'd and I have now ordered out three more, for Messrs. St. Germain, Bouchette and J. Plamandon. Exclusive of these there are many other good instruments belonging to the deputy surveyors, Mr. Chewit having at some expence provided himself with two setts; and Messrs. William Fortune and Jones with one good one each, also Mr. J. McDonald; and I have seen some at Montreal in the hands of Mons'r Papineau and De Lisle.

I am not aware that any further instruments are at present wanted in my Department; but that in a great measure depends on the nature of the work to be performed and persons employed, as I shall be loth to trust in any unskilful hands my capital set of instruments consisting of all sorts necessary for carrying on a general survey, or making astronomical observations, and made by the best artists in London. They have already been proved by me in settling the longitudes and latitudes in the Northern District of North America, as inserted in the Philosophical Transactions, and with which Mr. Sproule and Mr.Wright ascertained the longitudes and latitudes of Gaspé and Isle of Anticosti, as they were much deranged by being removed from their boxes by Mrs. Holland, to prevent them being carried off by the Americans, while she and family were their prisoners in the year 1776, I was under the necessity of taking the principal ones with me to England; where they underwent a thorough repair in Mr. Ramsden's hands, except a quadrant of the old construction which was left in my office where it has been nearly ruined.

I have the honour to be, Sir,

Your most obed. Servt.

Hugh Finlay, Esq.

Mr. Collins, the Deputy Surveyor-General, delivered in a report to the Committee, upon the same subject, on the 4th of February, informing them at the same time that he would soon furnish a list of such instruments as he conceived to be necessary for the better execution of the work of the Land Surveying Department.

MR. COLLINS'S REPORT

There are no Instruments in the Surveyor-General's Office belonging to Government.

The following List are Instruments belonging to Mr. Collins: A theodolite by Rowley; an aeromater telescope 3 feet 8 inches in length; the magnifying powers with eye-glasses for land objects, about 50 times and with those for astronomical uses 80 times; one Hadley's quadrant; one mason's level; one English chain; one French chain.

The deputy surveyors and assistant surveyors furnish their own instruments for the ordinary business of surveying lands.

JOHN COLLINS, Dy. Sr.-G'l.

Quebec, 4th Feby., 1791.

Mr. Collins this day delivered to the Chairman the list promised, and which is annexed to this report. The Committee consider the instruments therein noted to be necessary for the correct performance of the operations that may be required of the Surveyor-General's Department, which is nevertheless most humbly submitted to Your Excellency's wisdom.

HUGH FINLAY, in the Chair.

Council Chamber, Bishop's Palace,
Quebec, 16th Dec'r., 1791.

List of Astronomical Surveying and Drawing Instruments proposed for the Surveyor-General's Department with an Estimate of the Expense:

Astronomical Instruments:

Two three feet reflecting telescopes with 4 magnifying powers, 35 Gs. each, £73, 10; 1 Harrison's time piece, £50; 2 astronomical quadrants; these are of different prices according to the variety and accuracy of their adjustments. In the present case there would be little probability of getting them repaired if they should become out of order, the adjustments ought therefore to be of the most substantial kind, and as accurate as can consist with the proper degree of strength. It is necessary besides being strong that they should be, to be depended on within five seconds of a degree at the farthest, at a single observation, the price may probably be about £60 each, £120.

N.B.—The above instruments are for ascertaining the longitudes and latitudes of places.

One pair of 18 inch globes, £8, 8. The reason why a pair of globes would be useful in this Department is that few of the surveyors in Canada distinguish between straight lines which are on the Globe of the Earth, Great Circles, and East and West Lines which are Parallel Circles or between either of the above and Rhumb lines which are of the property of Spirals, these distinctions every surveyor ought to know, and Globes are very proper for the purpose of explaining them.

Surveying Instruments:

The description is given so much at length because some of the parts are to be entirely new.

Two theodolites or rather New Improved Circumferenters; these are various in their construction and prices; but the best for common use, and which are therefore here requested are those which may be used either as a theodolite or as a Common Circumferenter as occasion may require, they should have no outer limb but instead thereof an Index in the compass box, the best size is for the compass box to be 5½ inches in the inside so as to carry a needle of 5½ inches long. The index to have a nonius to cut angles to every 5th minute of a degree, to have a pin go through the box whereby to raise the needle from the center pin, when the instrument is carried from place to place; the arms to extend about 4¼ inches, on each side beyond the compass box, so as to have the plain sights about 14 inches apart; on this to have an arch and double telescopes to take off and on so that the instrument may be used either with the plain sights or with the arch and telescopes, as occasion may render necessary; to have cross levels in the compass box, the staves to have parallel plates to take off and on, so that the instrument may be used either with the parallel plates or with a ball and socket; the ball and socket to differ from the common ones by having a pin inserted into the ball and to move up and down in a groove in the socket to prevent the horizontal motion of the ball in the socket when the instrument is turned round. (N.B.—The endless screw is not sufficient of itself to prevent this horizontal motion, in practice, which has occasioned numerous errors.) The price it is supposed will be about 20 Guineas each, £42.

Surveying Instruments: 1 Boughton's improved plain table, £14, 14; 2 spirit levels with double telescopic sights for levelling, supposed to be about 12 Guineas each, £25, 4; 4 station staves with sliding vanes for levelling, @ 36/, £7, 4.

Plotting and Drawing Instruments: 2 tracing glasses for copying plans, 30 inches by 25, fitted in frames to let up and down, supposed about 5 guineas each, £10, 10; 2 pantographers for reducing plans, at 6 guineas, £12, 12; 2 pair of brass plotting scales, each pair to consist of two scales, the one fixed and the other movable at right angles to the former, the fixed one to be 20 inches long, the other 10 inches, each to be graduated with 40 divisions in an inch, on one edge, and 60 divisions in an inch on the other edge, to be so fitted as to be taken apart at pleasure, the edge of the movable scale to be levelled, supposed to be about 2 gs. a pair, £4, 4; 2 proportionable compasses at 1½ guineas, £3, 3; 2 brass parallel rulers of the best construction, the one 20 inches long, the other 12, supposed to be about a guinea each, £2, 2; 2 Circular Protractors, 5½ inches diameter, suppoed to be about half a guinea each, £1, 1; 2 cases of Plotting Instruments at 1½ guineas, £3, 3; 1 pair of Magnets in a case (a short bar of steel to be put across at the ends of the Magnets when packed), supposed about £5, 5. £383.

(Sgd.) John Collins, D.S. Gl.

Quebec, 17th December, 1791.

Read a report of the Land Committee: To His Excellency Alured Clarke, Esq., Lieutenant-Governor and Commander-in-Chief of the Province of Quebec, &c., Major-General Commanding His Majesty's Forces in America, &c, &c.

The report of the Land Committee (consisting of Messrs. Finlay, Collins and Grant) upon the Schedule of the Plans in the Surveyor-General's Drawing Room.

May it please Your Excellency: In obedience to His Excellency Lord Dorchester's pleasure signified to the Land Committee by Mr. Secretary Motz's letter to the Chairman, of the 24th June last, that they should procure an accurate Description of the Contents of the different Plans in the Surveyor-General's Office.

The Committee report to Your Excellency that this day the Deputy Surveyor-General laid before the Committee the draught of the dilated list required, which upon examination they find to be made out in conformity to Lord Dorchester's directions; and the Committee have instructed the Chairman to deliver a fair copy thereof to Your Excellency as soon as it can be made out by the Surveyor-General's Office, and another copy to be filed in the Council Office.

And the Committee beg leave further to report that in compliance with further directions given to them in the said letter of the 24th June they required from the Surveyor-General's Office a List of all the Field Books and Journals in that Office, and particularly the Field Books of Mr. Penoyer's survey of the road from Coteau du Lac to Kingston: "That all Places such as Bays, Rivers and Rivulets therein mentioned, might be reported with such names as the Committee might judge best calculated, by the simplicity and clearness of their sounds and spelling and dissimilarity to French or Indian names to make them universally known and distinguished."

And thereupon the Deputy Surveyor-General now informs the Committee that on searching there appears nothing more in the office relative to Mr. Penoyer's survey of the road from Coteau du Lac to Kingston, than his field notes from Coteau du Lac to Oznaburg, in which there are several errors, as appears by the plan, which Mr. Pennoyer alone can correct; and as he is in the Upper Districts no further report can at present be made upon that matter; and upon the entries of the locations assigned in the townships in the new districts directed by His Lordship on the 11th of July last to be made in the plans kept in the Surveyor-General's Office and exhibited once a month at least to the Land Committee, Mr. Collins observes that seeing the Acting Surveyors of the Upper Districts, had not, in conformity to the orders sent to them, made their returns to his office, he had obtained from Mr. Williams, Clerk of the Council, the returns that had accompanied the proceedings of the Land Boards, which on examination were found to disagree in very many instances with former returns that had been received and previously entered upon the plans; but that where there was no disagreement the new names have been inserted.

HUGH FINLAY, in the Chair.

Quebec, 16th December, 1791.

Read the following extract from a report of the Land Committee. To His Excellency, there being present Messrs. Finlay, Collins, Grant and De Lanaudiere.

Having considered the petition of Lieut. Alexander McDonell of Butler's late corps, praying in behalf of himself and his brothers, Angus and James, three thousand acres of land in the township of Cambridge, District of Luneburg, to which quantity his deceased father was entitled as a Captain in the late 84th Regiment. The Committee recommend that the lands prayed for may be granted to the petitioner, joint with the other heirs of his father.

HUGH FINLAY, in the Chair.

Quebec, 23d Septr., 1791.

His Excellency observed to the board that as His Majesty had been pleased to divide His Province of Quebec into two Provinces, by the names of Upper Canada and Lower Canada, it will be necessary that the Lieutenant-Governor of Upper Canada be furnished with every information relative to lands within that Province: Ordered by His Excellency with the advice of the Council that copies of all the Minutes in Council respecting applications for lands within the Districts of Luneburg, Mecklenburg, Nassau and Hesse, with all the Original Papers and Documents relating thereto, be delivered by the Clerk of the Council to the order of Lieutenant-Governor Simcoe, together with a Schedule thereof, as soon as the course of official business will permit.

J. Williams, C.C.

APPENDIX I

PROVINCE OF QUEBEC

1787-1791

The Governor-in-Council

Governor	Guy, Lord Dorchester.*
Lieut.-Governor	Henry Hope.
" "	Major-General Alured Clark.
Chief Justice	William Smith.
Deputy Postmaster-General	Hugh Finlay.
Deputy Surveyor-General	John Collins.
Justice	Adam Mabane.
Provincial Secretary	George Pownall.
Surveyor-General	Major Samuel Holland.
Supt.-General Indian Affairs	Sir John Johnson, Bart.
The Honourables	Thomas Dunn.
	Edward Harrison.
	J. Gaspard Chaussegros de Léry.
	Picoté de Belestre.
	John Fraser.
	Col. Henry Caldwell, Com'd'g British Militia.
	William Grant.
	Paul Roche De St. Ours.
	Francois Baby.
	Joseph De Longueuil.
	Charles de Lanaudiére.
	René Amable de Boucherville.
	Col. Le Comte Dupré, Com'd'g Canadian Militia.
Clerk of the Council	Jenkin Williams.

*Re-named Governor-in-Chief of Upper and Lower Canada, Sept. 1791.

APPENDIX II

Council Meetings

1787-1791

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APPENDIX III

LAND BOARDS:	Hesse, Gaspé, Luneburg, Mecklenburg, Montreal, Nassau.
Luneburg:	December, 1788. Richard Duncan, John McDonell, Jeremiah French, Justus Sherwood, James Gray, John Munro, or any three of them.
Mecklenburg:	The Rev. Mr. John Stuart, Neil McLean, James Clarke, Richard Cartwright, Jr.; and the Officer Commanding for the time being, Esquires, or any three of them.
Montreal:	Sir John Johnson, Baronet; Lt.-Col. Harris, 60th Regiment or Officer Commanding at Montreal, William Dummer Powell, William Rankin, Mr. Abraham Pastorius, or any three of them.
Nassau:	Lt.-Col. Hunter or Officer Commanding, Lt.-Col. John Butler, Peter Tenbrook, Robert Hamilton, Benjamin Pawling, Nathaniel Petit, or any three of them.
Hesse:	April, 1789. Major Close* or Officer Commanding at Detroit; William Dummer Powell, Justice of the Court of Common Pleas; Duperon Baby, Alexander McKee, William Robertson, Alexander Grant, St. Martin Adhemar, or any three of them. Clerk of Land Office: Thomas Smith.†
Montreal:	Jan., 1789. Arthur Davidson appointed.
Luneburg:	May, 1790. Malcolm McMartin appointed a member.
Hesse:	May, 1791. The Officer Commanding at Detroit,‡ William Dummer Powell, Alexander McKee, William Robertson, Alexander Grant, St. Martin Adhemar, John Askin, George Leith, Montigny de Louvigny, and the Officer of the Royal Corps of Engineers stationed at Detroit for the time being.
Luneburg:	Richard Dunn, John McDonnel, Jeremiah French, Justus Sherwood, James Gray, John Munro and Malcolm McMartin.
Mecklenburg:	The Rev. Mr. John Stuart, Neil McLean, Richard Cartwright, Jr.; James McDonnel, Hector McLean, and the Officer Commanding for the time being.
Montreal:	The Officer Commanding at Montreal, William Rankin, Abraham Pastorius, Joseph Chew, Eli Bransom, Arthur Davidson, and the Officer of the Royal Corps of Engineers stationed at Montreal, if such there is.
Nassau:	The Officer Commanding the Upper Posts, Lt.-Col. John Butler, Peter Tenbrook, Robert Hamilton, Benjamin Pawling, Nathaniel Petit, Gilbert Tice, John Burch, John Warren, Robert Kerr, John McNabb, and the Officer of the Royal Corps of Engineers stationed at Detroit for the time being.
Gaspé:	Nicholas Cox, Lieutenant-Governor, Felix O'Hara, Charles Robin, Daniel McPherson, Francois B. de la Fontaine, Pierre Louvert, Henry Rimphoff, Isaac Mann.
Mecklenburg:	December, 1791. Additional members, Richard Cartwright, Senior, and William Atkinson.

*Major Farnham Close, 65th Regiment, from 2nd April, 1789.
†Appointed by the Board.
‡Major Patrick Murray, 60th Regiment, from 7th August, 1789.

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Eighth Annual Report

OF THE

Mothers' Allowances Commission

FOR THE YEAR

1927-1928

Sessional Paper No. 46, 1929

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CANADA

To His Honour William Donald Ross,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I have the pleasure to present herewith the Eighth Annual Report of the Mothers' Allowances Commission, for the year 1927-1928.

Respectfully submitted,

Forbes Godfrey,
Minister of Health and Labour.

COMMISSION

Honourable David Jamieson, M.D., M.C.P.S., *Chairman.*

Miss Belle Thompson, *Vice-Chairman.*

Mrs. Minnie Singer.

Lieutenant-Colonel T. J. Murphy, K.C.

Mr. A. J. Reynolds.

Eighth Annual Report

OF THE

Mothers' Allowances Commission

For the Year 1927-1928

FOREWORD

In presenting the Report of the Mothers' Allowances Commission for the year ending October 31st, 1928, we are pleased to be able to say the results accomplished have apparently been satisfactory and have been appreciated by the beneficiaries who have received assistance, and also by the municipalities who have willingly and cheerfully contributed their share towards the expenditures under the Act.

The number of beneficiaries is still steadily increasing from year to year, notwithstanding the carefulness with which every application is scrutinized by the Local Boards, the Investigators and the Commission. This increase in the number of widowed mothers is only what might be reasonably expected in a growing population, but the number of cases of desertion and of incapacitated husbands has been increasing to an alarming extent and calls for the closest and most critical consideration of every case which comes before us.

The desertion cases present a serious problem, and much suffering is entailed on account of our regulation that if a man's whereabouts are known his wife is held ineligible for assistance. The majority of deserters go to the United States, and even if they can be located, there are no public funds provided for securing their return to Ontario. If the deserted wife asks to have her husband returned to Ontario where he can be brought to court, all expenses in connection therewith must be borne by her, who is in need herself, and has no money to spare for this purpose. Even if these deserters are brought home and a court order secured against them for a stated weekly or monthly payment, our experience shows these payments are seldom made and the man again disappears. A jail term does not appear to do any good in these cases, and it is a difficult question to decide whether or not a more liberal interpretation should be placed on the regulation covering these cases.

The number of applicants under the incapacitation condition shows a very large increase and the Commission has given these cases the most careful consideration, and has been obliged to refuse a large percentage as not being totally and permanently disabled within the meaning of the Act. Blindness might be regarded in some cases as totally unfitting a man for any earning capacity, but in the case of a young man who is otherwise physically and mentally fit, we strongly advise and insist he should take training in some useful occupation with the Canadian National Institute for the Blind, and thus enable him to assist to some extent in the maintenance of his family. The Commission grants the allowance to his wife while he is taking this course of training.

It has been difficult to secure satisfactory evidence of the attendance of children at school, but within the past year we have adopted a monthly system

of cards which must be certified by the teachers, and this has effected a wonderful improvement in the regularity of attendance. While referring to this question of education, it is worthy of notice to call attention to the railway cars sent to outlying districts by the Department of Education, where no other educational facilities are available, and where the children are gathered in from great distances and given a start and then carried on by a correspondence course. Our information is that some pupils, children of mothers drawing the allowance, have made wonderful progress, and the idea of travelling schools has certainly been a success in bringing the benefits of an education to many children who could not otherwise obtain it.

We have received recommendations and requests from Local Boards and other sources asking that amendments may be made to the Act covering the cases of wives of criminals serving time in penal institutions, and also mothers with one child, but have always pointed out that these are matters which have to be considered by the Government and are entirely outside the control of the Commission.

By referring to the financial statement embodied in the Report, it will be noted the total amount disbursed by the Commission to beneficiaries, during the past year, was $2,190,407, being an increase of $182,850 over the previous year. Of this amount the different municipalities are charged with $986,486.50, being 50 per cent. of the amount, but in unorganized districts the Government bears the full amount, which was $197,180, and the Province also assumes full charge of any amount granted to those lacking one year's continuous residence in any municipality.

The percentage cost of administration of the Act has again been reduced, and for the past year was 3.5 per cent., compared with 3.7 per cent. of the previous year, and 3.93 per cent. in 1925-26.

The Commission desires to express its appreciation of the services of the splendid men and women, to the number of over five hundred members of the Local Boards, who have devoted so much of their time to the administration of the Act. We also acknowledge the co-operation, which we have so willingly received, from all the Churches, the Salvation Army and the various Social Service Organizations.

The nineteen investigators in their several districts, and the members of the staff in the office, have been careful and efficient in the performance of their duties.

We have also had the unfailing and sympathetic consideration and courtesy of the Honourable Forbes Godfrey in all matters affecting the administration of the Act.

DAVID JAMIESON,
Chairman.

SECRETARIAL REPORT

In the twelve monthly sessions of four days each during the year, business as under was transacted:—

	1927-1928
Allowances granted	1,184
" reinstated	226
" increased	471
" decreased	890
" cancelled	768
" suspended	150
Applications deferred	147
" judged ineligible	409
" reviewed	1,532
	5,777
Previous year	5,781
Net decrease	4

MONTHLY PAYMENTS TO BENEFICIARIES

	Number of Beneficiaries	Increase over Previous Month	Amount Disbursed	Increase over corresponding month of previous year	
				Beneficiaries	Amount
November	4,733	4	$171,912	276	$12,009
December	4,839	106	177,207	295	13,103
January	4,876	37	177,165	318	12,958
February	4,934	58	181,560	354	16,483
March	4,986	52	183,391	376	16,167
April	5,026	40	184,275	403	16,951
May	5,046	20	187,675	365	18,006
June	5,108	62	187,312	406	17,456
July	5,153	45	187,639	416	15,298
August	5,170	17	190,299	397	17,613
September	5,193	23	189,506	440	16,242
October	5,139	*54	187,936	410	15,977
	.....	410	$2,205,877	....	$188,263
Less cheques returned to Provincial Treasury Department for cancellation	.....	....	15,470	....	5,413
	.....	....	$2,190,407	....	$182,850

*Decrease.

COMPARATIVE STATEMENT

Fiscal Year	Number of Beneficiaries	Amount Disbursed
1927-1928	5,139	$2,190,407
1926-1927	4,729	2,007,557
Net increase	410	$182,850
Average monthly increase	34.16	$15,237.50

SUMMARY OF ALLOWANCES PAID

Number of Beneficiaries	Counties	Amount Disbursed	Less Cancelled Cheques		Adjustments		Refunds Cr.
					Residence Dr. Cr.	Lacking Residence Cr.	
		$	$	$	$ $	$	$
30	Brant	10,315	30	10,285			
42	Bruce	16,810	30	16,780		80	
48	Carleton	18,450	170	18,280	25	105	
41	Northumberland and	14,725	.....	14,725			
32	Durham	11,990	290	11,700		70	
16	Dufferin	5,685	.....	5,685			
63	Stormont	25,830	205	25,625			
24	Dundas	8,825	85	8,740			
37	Glengarry	15,130	30	15,100			
82	Essex	30,805	295	30,510			
27	Elgin	11,190	205	10,985		140	
20	Frontenac	6,135	30	6,105			
68	Grey	25,395	135	25,260			820
26	Leeds	9,615	45	9,570			
24	Grenville	8,660	85	8,575			
50	Hastings	20,340	225	20,115		180	1,280
29	Haldimand	9,345	30	9,315	90		
8	Haliburton	2,920	.....	2,920			
34	Halton	12,100	65	12,035			
48	Huron	20,540	160	20,380			
43	Kent	15,533	60	15,473	130	90	
18	Lennox & Addington	5,775	.....	5,775		240	
39	Lanark	16,395	115	16,280			
45	Lincoln	16,490	90	16,400			
18	Lambton	6,645	110	6,535			
57	Middlesex	22,255	245	22,010			
31	Norfolk	12,265	110	12,155		75	
37	Ontario	14,950	185	14,765			
31	Oxford	13,250	20	13,230			
36	Peterborough	14,164	75	14,089			
36	Peel	12,210	120	12,090			600
22	Prince Edward	7,175	100	7,075		30	
51	Prescott	20,745	80	20,665			
56	Russell	24,285	215	24,070	20		150
16	Perth	6,501	30	6,471	60		
135	Renfrew	52,600	215	52,385		100	60
160	Simcoe	60,622	295	60,327		670	
49	Victoria	19,780	85	19,695		70	
49	Wentworth	19,140	205	18,935	155	110	
61	Welland	23,986	155	23,831	90	180	
27	Wellington	10,031	25	10,006		140	
59	Waterloo	21,590	65	21,525		180	
265	York	100,530	625	99,905	30 105	460	1,380
	Sub-total	801,722	5,340	796,382	355 355	2,920	4,290
	Cities						
72	Brantford	33,345	195	33,150		525	
25	Belleville	12,975	70	12,905			
23	Chatham	10,900	180	10,720	130		
31	Fort William	15,618	125	15,493		88	
32	Guelph	13,935	35	13,900			560
27	Galt	12,085	25	12,060		180	
229	Hamilton	102,910	670	102,240	80	240	
51	Kingston	22,655	110	22,545			
34	Kitchener	15,980	20	15,960		75	
116	London	56,395	495	55,900		50	550
17	Niagara Falls	7,590	30	7,560			
32	North Bay	15,990	135	15,855	170		
27	Oshawa	11,555	30	11,525			
316	Ottawa	151,026	630	150,396	25	460	3,051
30	Owen Sound	11,880	180	11,700			20

DURING FISCAL YEAR 1927-1928

Net Amount	Fifty Per Cent. Chargeable to Municipalities	Amount Outstanding 31st October, 1927	Amount Due by Municipalities	Amount Received from Municipalities	Amount Outstanding 31st October, 1928
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10,285 00	5,142 50	367 50	5,510 00	5,050 00	460 00
16,700 00	8,350 00	702 50	9,052 50	8,457 50	595 00
18,150 00	9,075 00	745 00	9,820 00	9,107 50	712 50
14,725 00	7,362 50	1,940 00	15,117 50	14,012 50	1,105 00
11,630 00	5,815 00				
5,685 00	2,842 50	185 00	3,027 50	2,752 50	275 00
25,625 00	12,812 50	1,892 50	26,625 00	24,462 50	2,162 50
8,740 00	4,370 00				
15,100 00	7,550 00				
30,510 00	15,255 00	1,032 50	16,287 50	14,997 50	1,290 00
10,845 00	5,422 50	487 50	5,910 00	5,495 00	415 00
6,105 00	3,052 50	240 00	3,292 50	3,020 00	272 50
24,440 00	12,220 00	952 50	13,172 50	12,135 00	1,037 50
9,570 00	4,785 00	707 50	9,780 00	8,987 50	792 50
8,575 00	4,287 50				
18,655 00	9,327 50	812 50	10,140 00	9,320 00	820 00
9,405 00	4,702 50	580 00	5,282 50	5,291 05	(Credit) 8 55
2,920 00	1,460 00	112 50	1,572 50	1,447 50	125 00
12,035 00	6,017 50	462 50	6,480 00	5,935 00	545 00
20,380 00	10,190 00	872 50	11,062 50	10,240 00	822 50
15,253 00	7,626 50	649 50	8,276 00	7,630 00	646 00
5,535 00	2,767 50	205 00	2,972 50	2,715 00	257 50
16,280 00	8,140 00	670 00	8,810 00	8,182 50	627 50
16,400 00	8,200 00	610 00	8,810 00	8,105 00	705 00
6,535 00	3,267 50	267 50	3,535 00	3,227 50	307 50
22,010 00	11,005 00	855 00	11,860 00	10,982 00	877 50
12,080 00	6,040 00	505 00	6,545 00	6,077 50	467 50
14,765 00	7,382 50	650 00	8,032 50	7,405 00	627 50
13,230 00	6,615 00	565 00	7,180 00	6,700 00	480 00
13,489 00	6,744 50	541 00	7,285 50	6,724 50	561 00
12,060 00	6,030 00	437 50	6,467 50	5,927 50	540 00
7,075 00	3,537 50	492 50	4,030 00	3,402 00	627 50
20,665 00	10,332 50	3,530 00	25,832 50	23,927 50	1,905 00
23,940 00	11,970 00				
6,531 00	3,265 50	256 50	3,522 00	3,280 50	241 50
52,225 00	26,112 50	2,037 50	28,150 00	25,890 00	2,260 00
59,657 00	29,828 50	2,345 50	32,174 00	29,563 50	2,610 50
19,625 00	9,812 50	720 00	10,532 50	9,710 00	822 50
18,980 00	9,490 00	1,445 00	10,935 00	10,110 00	825 00
23,561 00	11,780 50	924 00	12,704 50	11,773 00	931 50
9,866 00	4,933 00	807 50	5,740 50	4,888 00	852 50
21,345 00	10,672 50	1,759 00	12,431 50	11,571 50	860 00
97,990 00	48,995 00	3,842 50	52,837 50	48,585 00	4,252 50
789,177 00	394,588 50	36,208 00	430,796 50	397,089 55	33,706 95
32,625 00	16,312 50	1,300 00	17,612 50	16,252 50	1,360 00
12,905 00	6,452 50	542 50	6,995 00	6,502 50	492 50
10,850 00	5,425 00	852 50	6,277 50	5,800 00	477 50
15,405 00	7,702 50	1,352 50	9,005 00	8,435 00	620 00
13,340 00	6,670 00	1,000 00	7,670 00	7,057 50	612 50
11,880 00	5,940 00	465 00	6,405 00	5,877 50	527 50
102,080 00	51,040 00	3,765 00	54,805 00	50,355 00	4,450 00
22,545 00	11,272 50	810 00	12,082 50	11,087 50	995 00
15,885 00	7,942 50	1,217 50	9,160 00	7,827 50	1,332 50
55,300 00	27,650 00	2,185 00	29,835 00	27,580 00	2,255 00
7,560 00	3,780 00	350 00	4,130 00	3,785 00	345 00
15,685 00	7,842 50	1,382 50	9,225 00	8,622 50	602 50
11,525 00	5,762 50	465 00	6,227 50	5,720 00	507 50
146,910 00	73,455 00	6,105 00	79,560 00	66,860 00	12,700 00
11,680 00	5,840 00	397 50	6,237 50	5,640 00	597 50

SUMMARY OF ALLOWANCES PAID

Number of Beneficiaries	Counties	Amount Disbursed	Less Cancelled Cheques		Adjustments		Refunds Cr.
					Residence Dr. Cr.	Lacking Residence Cr.	
		$	$	$	$ $	$	$
37	Port Arthur	19,420	45	19,375			
50	Peterborough	22,549	185	22,364			
20	Sarnia	8,895	35	8,860		100	
31	Sault Ste. Marie	15,105	75	15,030			270
27	St. Thomas	11,020	35	10,985		140	
49	St. Catharines	24,380	140	24,240		40	550
32	Stratford	15,305	120	15,185			
1074	Toronto	509,677	3,100	506,577	45 2,880	1,265	2,120
22	Welland	10,020	85	9,935		100	
14	Woodstock	7,755	105	7,650			
54	Windsor	26,545	470	26,075			
	Sub-total	1,165,510	7,325	1,158,185	280 3,050	3,263	7,121
	Towns						
15	Brockville	7,225	.....	7,225		140	
7	Gananoque	2,705	.....	2,705			
10	Ingersoll	4,005	25	3,980			
7	Prescott	2,940	.....	2,940			
5	St. Mary's	2,510	45	2,465		45	
7	Smith's Falls	2,895	30	2,865			
10	Trenton	4,080	.....	4,080			
13	Walkerville	4,015	40	3,975		80	
1	Pelee Island	510	.....	510			
	Sub-total	30,885	140	30,745		265	
26	Indian Reserves	8,645	260	8,385	100		
	Districts						
28	Algoma	11,650	165	11,485			
15	Kenora	5,525	30	5,495			
20	Manitoulin	7,100	75	7,025	60		
38	Muskoka	15,105	35	15,070			
76	Nipissing	32,660	290	32,370			
48	Parry Sound	22,195	140	22,055			
17	Rainy River	7,615	255	7,360			
87	Sudbury	36,185	425	35,760	40		
134	Timiskaming	55,355	630	54,725	170		30
13	Thunder Bay	5,725	130	5,595			
	Sub-total	199,115	2,175	196,940	270		30
	Totals	2,205,877	15,240	2,190,637	905 3,500	6,448	11,441
	Province						
	Those lacking one year's continuous residence				6,448		
	Residence adjustments				3,500 905		
	Refunds				11441		
	Cancelled cheques		230	Credit 230			
		2,205,877	15,470	2,190,407	22294 4,405	6,448	11,441

DURING FISCAL YEAR, 1927-1928—*Continued.*

Net Amount	Fifty Per Cent. Chargeable to Municipalities	Amount Outstanding 31st October, 1927	Amount Due by Municipalities	Amount Received from Municipalities	Amount Outstanding 31st October, 1928
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,375 00	9,687 50	770 00	10,457 50	9,672 50	785 00
22,364 00	11,182 00	796 00	11,978 00	11,019 50	958 50
8,760 00	4,380 00	345 00	4,725 00	4,360 00	365 00
14,760 00	7,380 00	605 00	7,985 00	7,352 50	632 50
10,845 00	5,422 50	455 00	5,877 50	5,382 50	495 00
23,650 00	11,825 00	910 00	12,735 00	11,815 00	920 00
15,185 00	7,592 50	654 50	8,247 00	7,597 00	650 00
500,357 00	250,178 50	33,636 00	283,814 50	233,984 50	49,830 00
9,835 00	4,917 50	372 50	5,290 00	4,862 50	427 50
7,650 00	3,825 00	307 50	4,132 50	3,890 00	242 50
26,075 00	13,037 50	952 50	13,990 00	13,122 50	867 50
1,145,031 00	572,515 50	61,994 00	634,509 50	550,461 00	84,048 50
7,085 00	3,542 50	282 50	3,825 00	3,540 00	285 00
2,705 00	1,352 50	522 50	1,875 00	1,755 00	120 00
3,980 00	1,990 00	127 50	2,117 50	1,952 50	165 00
2,940 00	1,470 00	205 00	1,675 00	1,437 50	237 50
2,420 00	1,210 00	137 50	1,347 50	1,265 00	82 50
2,865 00	1,432 50	282 50	1,715 00	1,577 50	137 50
4,080 00	2,040 00	305 00	2,345 00	2,177 50	167 50
3,895 00	1,947 50	175 00	2,122 50	1,907 50	215 00
510 00	255 00	60 00	315 00	300 00	15 00
30,480 00	15,240 00	2,097 50	17,337 50	15,912 50	1,425 00
8,285 00	4,142 50	270 00	4,412 50	4,067 50	345 00
11,485 00					
5,495 00					
7,085 00					
15,070 00					
32,370 00					
22,055 00	100 per cent. of	amount disbur	sed in Judicial D	istricts met by	the Province.
7,360 00					
35,800 00					
54,865 00					
5,595 00					
197,180 00					
2,170,153 00	986,486 50	100,569 50	1,087,056 00	967,530 55	119,525 45

	Total amount disbursed	$2,205,877 00	
	Less cancelled cheques	15,470 00	
			$2,190,407 00
	Amount chargeable to Municipalities		986,486 50
6,448 00	Amount chargeable to Province		$1,203,920 50
	Province		
2,595 00	50 per cent of amount disbursed in Municipalities		986,486 50
11,441 00	100 per cent. of amount disbursed in Districts		197,180 00
Cr. 230 00	100 per cent. of amount disbursed to beneficiaries lacking necessary residence in a Municipality		6,448 00
	Residence adjustments		2,595 00
	Refunds received and credited to Municipalities and Districts		11,441 00
			$1,204,150 50
	Less cancelled cheques		230 00
2,190,407 00			$1,203,920 50

ALLOWANCES

The total amount of funds at the disposal of the Commission for the year was $2,203,000, of which $2,190,407 was expended, and the balance of $12,593 credited to the Government.

The amount expended was disbursed in:—

Counties	$796,382 00
Cities	1,158,185 00
Separated Towns	30,745 00
Indian Reserves	8,385 00
Judicial Districts	196,940 00
	$2,190,637 00
Less cancelled cheques credited to the Province	230 00
	$2,190,407 00

Disposition of amount disbursed:

Claimed from Municipalities:	
Counties	$394,588 50
Cities	572,515 50
Separated Towns	15,240 00
Federal Department of Indian Affairs	4,142 50
	$986,486 50
Charged to the Province:	
50 per cent. of amount disbursed in Municipalities	$986,486 50
100 per cent. of amount disbursed in Judicial Districts	197,180 00
100 per cent. to beneficiaries lacking one year's residence in Municipalities	6,448 00
Residence adjustments	2,595 00
Refunds credited to Municipalities	11,411 00
Refunds credited to Districts	30 00
	$2,190,637 00
Less cancelled cheque credited direct to Province	230 00
	$2,190,407 00

STATEMENT

Showing amount expended in Mothers' Allowances from the inception of the Act, November 1st, 1920, to October 31st, 1928:

Fiscal Year Ending Octobes 31st:		
1921	$774,667 00	
1922	1,382,138 00	
1923	1,612,701 00	
1924	1,715,205 00	
1925	1,790,680 00	
1926	1,886,095 00	
1927	2,017,614 00	
1928	2,205,877 00	
		$13,384,977 00
Less cancelled cheques		63,407 00
		$13,321,570 00
Portion of this amount received from organized municipalities		5,638,867 55
		$7,682,702 45
Less amount outstanding and due by Municipalities at October 31st, 1928		119,525 45
Net cost to Province		$7,563,177 00

REVENUE STATEMENT

During the year the sum of nine hundred and eighty thousand five hundred and sixty-six dollars and fifty-five cents ($980,566.55), was periodically deposited with the Provincial Treasurer.

This sum was credited to:

Counties		$397,089 55
Cities		550 461 00
Separated Towns		15,912 50
Federal Department of Indian Affairs		4,067 50
		$967,530 55
Province:		
Casual Revenue	$335 00	
Refund Account:		
D.S.C.R. (Ottawa)	12,091 00	
Beneficiaries	610 00	
		13,036 00
		$980,566 55

The sum of one hundred and nineteen thousand five hundred and twenty-five dollars and forty-five cents ($119,525.45), is collectible from:

Counties	$33,706 95
Cities	84,048 50
Separated Towns	1,425 00
Federal Department of Indian Affairs	345 00
	$119,525 45

and this amount will be merged into receipts for the following fiscal year.

ADMINISTRATION EXPENSE

Over a period of years administration expense is gradually decreasing, that of the period under review being 3½ per cent., as compared with 3.7 per cent. and 5.93 per cent., respectively for the two preceding years.

CHIEF INVESTIGATOR'S REPORT

The steady increase in the number of beneficiaries has continued, the number of applications vary but little each year, a large number of families are left dependent each year through the death or disability of the father and husband. So long as this condition prevails we must look for a steady increase in the number of beneficiaries.

The "problem case" is and always will be present where we have a live social service organization. The Commission has been careful to weed out the cases that were in danger of bringing the Act into disrepute, and also where beneficiaries were unwilling to co-operate with the Commission in its endeavour to properly administer the Act. This phase of the work requires patience, tact and careful and well balanced judgment; it is an easy way out of the difficulty to merely cancel the allowance, the easiest way out of a difficulty is, however, not the best way. On the one hand, the family has to be considered by the Commission, the same Commission, however, is the custodian of a large and ever increasing expenditure, the money for which is provided by the taxpayer. The taxpayer's interest lies in the judicious expenditure of the money.

When a problem case confronts us the Investigator is required to make a thorough and careful investigation. When her report is on file showing that there is good reason to believe a beneficiary has been guilty of misbehavour the person concerned is conferred with and is given every opportunity to make amends. If she expresses a willingness to adhere to the regulations she is given a chance to do so.

Our great concern is the children, who invariably are the innocent sufferers. A way has yet to be found whereby the guilty in any phase of life can be punished without some innocent persons having to suffer, consequently the Commission is anxious to give everyone a fair chance to make good.

We could point to a number of cases where the changes in home conditions, brought about by the work of the Investigator, have been miraculous. A home with three children, where conditions had never apparently been good, when the family was first brought to our attention the children showed every appearance of neglect, here was a task for the Investigator, warnings as well as pleadings appeared useless, a change in location was no nearer success, the new congenial and healthy surroundings had no effect on this mother. Staff conferences at head office eventually resulted in a decision to give the case up, pleadings of the Investigator for one more chance were acquiesced in and the woman at last responded. For over six months that home has been one to make the Investigator proud that she had pleaded for another chance; the woman has a new outlook on life, the children are kept clean, their health improved.

There are some failures, a small percentage of people will not respond, no family, however, is despaired of unless the conditions are such that children should not be left in an atmosphere that is detrimental to their welfare. Such families are referred immediately to an organization possessing authority to act on behalf of the children.

A new system of supervision of the school attendance of children, benefiting under the Act, was brought into operation in September.

Perhaps to-day more than ever it is apparent that without education the boy or girl has a life long handicap, it is, therefore, important that children attend school regularly. To this end it is now required that a school attendance record be mailed to the head office each month. A post card is used for the purpose. If the card is not in by the twentieth of the month, the beneficiary knows that her cheque will be withheld. To show how effective the plan has proved: after three months we found it necessary to withhold less than a dozen cheques. Furthermore, very few children under such close supervision can continue to benefit under the Act without taking full advantage of the facilities provided for a good public school education.

School principals do not hesitate to express appreciation of the improved attendance of the children at school. The restraining influence of the monthly report on the children is quite marked. A chief of police of one city, for example, says he has little or no trouble with children of beneficiaries, if he meets one with a tendency to misbehaviour, he has only to threaten to report to the Investigator, it has the desired effect. The effect on the child at school is apparent, children aim to keep their cards free from bad marks.

We appreciate the co-operation of many educational authorities in refusing to issue permits without our consent.

Where it is found difficult, in rural districts, for children to attend school on account of schools being too far away, or on account of severe weather, arrangements are made for lessons to be sent through the Department of Education.

In co-operation with the offices of the Department of Health a great amount of good constructive work is being accomplished. The Investigator, in scores of cases, has been successful in having a mother take the necessary medical treatment, and has, in many instances, succeeded where others have failed in persuading a mother to have her child admitted to a hospital, or taken to a doctor. Many of the mothers and children responding to treatment are to-day enjoying better health.

Sometimes it is necessary to make arrangements for the care of the children during a two or three months' absence of the mother, in case of sickness, this would not be possible but for the monthly cheque which is issued under the Act.

It will readily be seen by the foregoing, that the work of an Investigator is not merely to collect information, in order that the Commission may decide as to the eligibility of an applicant, rather the investigation staff is vitally interested in every phase of the family life.

This report would be incomplete without a word of appreciation from the Department to the ladies and gentlemen who comprise our Local Boards, for the splendid and untiring co-operation and assistance given by them and also the various welfare organizations. It is very pleasing and very helpful that such a splendid understanding prevails between the private and state controlled welfare workers.

The freedom given to us by the Government to carry on this work is an asset that cannot be over estimated. We are free to carry on a constructive social service work with no interference whatsoever, showing how truly it is interested in the general welfare of the citizens who have entrusted to it the control of their Province.

HARRY BENTLEY,
Chief Investigator.

STATISTICAL REPORT YEAR 1927-1928

STATEMENT REGARDING ALL BENEFICIARIES ON THE ALLOWANCE PAY LIST DURING THE YEAR ENDING OCTOBER 31ST, 1928

Number of beneficiaries on allowance list, October 31st, 1928	5,139
" " " " part of the year but later cancelled	837
	5,976

At October 31st, 1928, there were 410 more beneficiaries on the allowance pay list than at end of the previous year—an increase of 8.66 per cent.

Causes of Dependency	Number of Families		Number of Children	
Death of the father		4,340		12,670
Incapacitation:				
(a) Insanity (husband in an asylum)	164		521	
(b) Other causes	880		2,658	
		1,044		3,179
Desertion		351		901
Death of both parents (foster mother)		241		578
		5,976		17,328

Number of Children under 16 Years in these Families	Families	Children
Families of 1 child under 16 years and totally and permanently incapacitated father or child over 16 years	130	130
" 2 children under 16 years	2,933	5,866
" 3 " " 16 "	1,466	4,398
" 4 " " 16 "	764	3,056
" 5 " " 16 "	382	1,910
" 6 " " 16 "	198	1,188
" 7 " " 16 "	67	469
" 8 " " 16 "	22	176
" 9 " " 16 "	8	72
" 10 " " 16 "	3	30
" 11 " " 16 "	3	33
	5,976	17,328

Rate of Allowance	Number of families on allowance list during the year	Number of children	Average number per children per family
City:			
Cities	2,895	7,898	2.72
County:			
Counties	2,415	7,206	2.98
Judicial Districts	582	1,996	3.42
Town:	2,997	9,202	
Towns	84	228	2.71
	5,976	17,328	2.899

NATIONALITY BY BIRTH OF BENEFICIARIES

British:		
Canadian	3,854	
English	1,088	
Scotch	283	
Irish	151	
Other British	69	
		5,445
Others of Foreign Birth now Naturalized:		
American	123	
Russian	83	
Italian	77	
Polish	59	
Finnish	55	
Austrian	29	
Roumanian	18	
Swedish	15	
German	14	
Norwegian	10	
Galician	8	
Hungarian	8	
Armenian	4	
Jugo-Slavian	4	
French	3	
Ukrainian	3	
Syrian	3	
Danish	3	
Czecho-Slovakian	2	
Dutch	2	
Greek	2	
Spanish	1	
Bulgarian	1	
Lithuanian	1	
Swiss	1	
Belgian	1	
Serbian	1	
		531
		5,976

NATIONALITY BY PERCENTAGE

British:		
Canadian	64.5%	
Other British	26.6%	
		91.1%
Beneficiaries of foreign birth (naturalized)		8.9%
		100%

INCAPACITATION CASES

Beneficiaries, whose husband or child over 16 years of age is totally and permanently incapacitated:		
On the allowance pay list at October 31st, 1928	901	
" " " " part of the year, but later cancelled	143	
		1,044
Increase during the year in the number of incapacitation cases		25.6%

Causes of Incapacitation:

*Tuberculosis		246
Diseases of the nervous system and organs of special sense:		
Paralysis	96	
Epilepsy	20	
Nerves	5	
Other causes	60	
		181
†Mental (husband in an asylum)		164
Diseases of the heart and arteries		143
Diseases of the bones and joints:		
Arthritis	55	
Osteomyelitis	11	
Other causes	10	
		76
Diseases of the respiratory system		48
Diseases of the kidneys, bladder and urinary passages		29
Cancer		25
Blind and other complications		25
Diseases of the digestive system		22
Venereal diseases		21
Senility		13
Anaemia		12
Locomotor ataxia		11
Accident		11
Rheumatism		7
Diseases of the skin		3
Other causes		7
		1,044

Number of Children in all Incapacitation Families	Families	Children
Families with 1 child under 16 years and husband or child over 16 years totally and permanently incapacitated	130	130
" " 2 children under 16 years	351	702
" " 3 " " 16 "	224	672
" " 4 " " 16 "	163	652
" " 5 " " 16 "	89	445
" " 6 " " 16 "	53	318
" " 7 " " 16 "	20	140
" " 8 " " 16 "	9	72
" " 9 " " 16 "	3	27
" " 10 " " 16 "	1	10
" " 11 " " 16 "	1	11
	1,044	3,179

*In cases of tuberculosis beyond the primary stage an allowance is granted while the husband is in a sanitorium. Cases frequently recover.

†Mental cases cease to qualify when the husband leaves the asylum.

All Families where Tuberculosis is the Cause of Dependency

13.12 Per Cent. of Allowances Paid Due to Tuberculosis

Widows.—Number of beneficiaries on the allowance pay list during the year ending October 31st, 1928, in whose case tuberculosis was the causative factor in the death of the husband.

On the pay list, October 31st, 1928	433	
On during part of the year, but later cancelled	76	
		509
Amount paid to these 509 families during the year		$185,530

Incapacitation.—Number of beneficiaries on the allowance pay list during the year whose husbands were totally and permanently incapacitated because of tuberculosis.

On pay list at October 31st, 1928	201	
On during part of the year, but later cancelled	45	
		246
Amount paid to these 246 familes during the year		$84,195

Foster-Mother.—During the year there were on the allowance pay list fifty-four foster-mothers of children whose parent or parents had died of tuberculosis (in thirteen cases, both parents; in nineteen cases the father; and in twenty cases, the mother).

On the pay list at October 31st, 1928	43	
On during part of the year, but later cancelled	9	
		52
Amount paid to these 52 familes during the year		$17,850
Total Families	807	
Total Expenditure		$287,575

CHILDREN IN THESE FAMILIES

Families of	Widow		Incapacitation		Foster-Mother	
	Families	Children	Families	Children	Families	Children
1 child	...	...	14	14	..	..
2 children	266	532	79	158	41	82
3 "	131	393	73	219	6	18
4 "	79	316	32	128	3	12
5 "	17	85	23	115	2	10
6 "	10	60	19	114	..	..
7 "	2	14	2	14	..	..
8 "	1	8	3	24	..	..
9 "	...	...	1	9	..	..
10 "	1	10	...	...	..	..
11 "	2	22	...	...	..	..
	509	1,440	246	795	52	122

Beneficiaries in	Families	Children	Amount Expended
Counties	313	949	$101,890
Judicial Districts	90	307	31,055
Cities	387	1,059	148,300
Towns	17	42	6,330
	807	2,357	$287,575

CAUSES OF CANCELLATION

Now only one child under 16 years of age or not at school	358
Beneficiary remarried	125
Unsatisfactory home conditions	70
Husband no longer totally and permanently incapacitated	53
Beneficiary died	37
Family should be self-supporting	32
Beneficiary not now residing in Ontario	25
Now in receipt of allowance from other funds	25
Only one child or no children with mother	24
Now in possession of assets of a disqualifying amount	21
Husband no longer in asylum	18
Incapacitated husband not in wife's care and only one child under 16 years	14
Incapacitated husband died and only one child under 16 years	11
Address of beneficiary not known	9
Voluntary withdrawal	7
Now in possession of a disqualifying equity in property	3
Beneficiary in an institution	2
False information at time of application	1
Held for report	1
Residence of husband now known (desertion cases)	1
	837

CAUSES OF INELIGIBILITY

Value of property or other assets disqualifies	134
Applicant's husband or child over 16 years of age not totally and permanently incapacitated	52
Not eligible under desertion clause	48
Only one child under 16 years of age in attendance at school	43
Residence requirements not fulfilled	40
Unsatisfactory home conditions	22
Sufficient income to maintain the home	22
Children not with mother	13
In receipt of allowances from other funds	10
Applicant not a British subject	8
Applicant divorced or legally separated	8
Foster-mother applications ineligible as children are not orphans	6
Only one child under 16 years of age and incapacitated husband not in wife's care	5
Applicant's husband in prison	4
Qualifying child not born under lawful wedlock	3
No proof of marriage	2
Applicant remarried	2
Application withdrawn	1
Deferred for further information	24
	447

CAUSES OF DEATH OF FATHER

Widow cases on the allowance list, at October 31st, 1928	3,729	
" " " " " part of the year, but later cancelled	611	
		4,340
Diseases of the respiratory system:		
Pneumonia	783	
Pleurisy	23	
Bronchitis and asthma	24	
Other causes	17	
		847
Diseases of the circulatory system		643
Tuberculosis		509
External causes:		
Accident	345	
Suicide	78	
Murder	7	
Other sudden deaths	6	
		436

Diseases of the nervous system and organs of special sense:		
Cerebral hemorrhage	80	
Hemiplegia	53	
Meningitis	41	
Apoplexy	37	
Tumour of brain	26	
Epilepsy	15	
Other causes	87	
		339
Diseases of the digestive system:		
Appendicitis	104	
Peritonitis	49	
Ulcers of stomach and duodenum	43	
Disease of the liver	20	
Other causes	108	
		324
Cancer		307
Influenza		287
Diseases of the kidneys, bladder and urinary passages		244
Blood poisoning		85
Typhoid		79
Anaemia		54
Venereal diseases		40
Diseases of throat and nose		30
Diseases of the bones and joints		22
Alcoholism		14
Gangrene		7
Smallpox		6
Erysipelas		5
Scarlet fever		5
Diphtheria		3
Diseases of skin		3
Other causes		51
		4,340

W. W. Boyce,
Statistician.

LOCAL BOARDS

(Those marked * are municipal nominees)

COUNTIES

BRANT
*Chairman, Mrs. A. W. Van Sickle, Onondaga.
Secretary, Mrs. Wm. Kerr, St. George.
*Mr. E. A. Standing, Burford.
Mr. J. P. McCammon, Paris.
Vice-Chairman, Mr. G. T. Wood, Grandview.
Mrs. Herbert Burtch, R.R. No. 1, Scotland.

BRUCE
Chairman, Mr. C. J. Mickle, Chesley.
Secretary, Mrs. I. Shoemaker, Paisley.
*Mr. D. J. Byers, Reeve of Wiarton.
Mrs. F. E. Coombs, Kincardine.
Rev. R. Perdue, Walkerton.
*Mr. Robert McVittie, Southampton.
Mr. W. Brooks, J.P., Parkhead.

CARLETON
Chairman, Mr. J. E. Caldwell, City View P.O.
*Vice-Chairman, Mrs. J. A. Heney, Westboro.
Secretary, Rev. J. H. Woodside, Kenmore.
Mrs. E. T. Coldry, Cummings Bridge.
*Mr. Wm. Joynt, Laurentian View.

DUFFERIN
*Chairman, Mr. T. J. Henderson, Orangeville.
*Secretary, Mrs. W. C. Dahl, Orangeville.
Mr. Hugh Falconer, Shelbourne.
Mr. H. F. Tuck, Orangeville.
Mrs. Dr. Berwick, Grand Valley.

DUNDAS
Chairman, Mr. Wesley Hamilton, Chesterville.
Secretary, Mrs. James Hughes, Chesterville.
*Mr. Charles Marcellus, Dunbar.
*Mr. Frank Fraser, Morewood.
Mrs. Ezra Summers, Winchester.
Mrs. Arthur Flynn, Morrisburg.

DURHAM
*Chairman, Mr. F. W. Galbraith, Port Hope.
*Vice-Chairman, Mrs. Arthur VanCamp, Burketon.
Secretary, Mrs. A. L. Nichols, Bowmanville.
Miss Pearl Burnham, Millbrook.
Mr. Harry Bland, R.R. No. 2, Ida.
Mr. C. J. Thornton, Orono.
Mr. T. B. Chalk, Port Hope.

ELGIN
Chairman, Mr. R. A. Penhale, R.R. No. 8, St. Thomas.
Vice-Chairman, Mrs. C. S. Bridgman, Aylmer.
Secretary, Mrs. B. B. Graham, Rodney.
*Mrs. S. S. McDermand, R.R. No. 1, Port Burwell.
*Mr. D. A. McNabb, Dutton.

ESSEX
*Chairman, Mr. Judson Scratch, Kingsville.
*Vice-Chairman, Mrs. Severin Ducharme, Belle River.
Secretary, Mrs. Geo. Elliott, Brock St., Sandwich.
Mr. W. P. Coyle, Sandwich.
Mr. Maurice Renaud, Tecumseh.
Mrs. R. R. Brett, Essex.

FRONTENAC
Chairman, Mr. J. W. Bradshaw, County Clerk, Kingston.
Secretary, Mrs. J. L. F. Sproule, Westbrook.
Mr. Chas. Truscott, Sydenham.
*Rev. Wm. Black, 130 Victoria St., Kingston.
Mrs. J. D. Shibley, Harrowsmith.
*Mrs. Bert Patterson, Hartington.

GLENGARRY
*Chairman, Mr. A. J. Robertson, Martintown.
Secretary, Mrs. A. H. Robertson, Maxville.
Mrs. A. MacNaughton, Alexandria.
Mr. William Blyth, R.R. No. 1, Maxville.
Mr. R. J. Pattengale, Lancaster.
Mr. Allan Peter McDonald, Summerstown Station.
Mr. J. W. McLeod, R.R. No. 2, Dalkeith.

GRENVILLE
Chairman, Mr. Joseph Goodin, Roebuck.
Secretary, Mrs. J. A. Connell, Algonquin.
*Mr. J. Harold Kidd, Burritts Rapids.
*Mr. W. P. Walker, Cardinal.
Mr. A. E. Langstaff, Kemptville.

LOCAL BOARDS—*Continued*

(Those marked* are municipal nominees)

COUNTIES—*Continued*

GREY.....Chairman, Mr. Herbert C. Brigham, Hanover.
Vice-Chairman, Mrs. B. J. Long, Meaford.
*Secretary, Mrs. Wm. Dingwall, Hopeville.
Mr. A. E. Colgan, Markdale.
Mr. John Mills, Hanover.
W. J. Miller, Bognor.

HALDIMAND.....*Chairman, Mr. Harrison Arrell, K.C., Caledonia.
Secretary, Mrs. Joseph Peart, Cayuga.
Mrs. E. Kelly, Dunnville.
Mr. S. E. Lindsay, Hagersville.
*Mr. W. J. Saunders, Jarvis.

HALIBURTON.....Chairman, Mrs. George Potts, Haliburton.
*Secretary, Mr. H. B. Feir, Haliburton.
*Mr. W. R. Curry, Haliburton.
Mr. John Pearson, Haliburton.
Mrs. Wm. Nichol, Haliburton.

HALTON.....Chairman, Mr. E. F. Earl, Milton.
Mrs. J. R. Elliott, Milton.
Mr. W. H. Morden, Oakville.
Mrs. Malcolm McLean, Acton.
*Secretary, Mr. J. B. Moat, Oakville.
*Mr. Amos Mason, Acton.

HASTINGS.....Chairman, Mr. Alexander Moore, 160 George St., Belleville.
*Vice-Chairman, Mrs. Chas. Vanderwater, Foxboro.
*Secretary, Mr. W. H. Nugent, Shire Hall, Belleville.
Mrs. Simeon Fox, Madoc.
Mr. Thomas Montgomery, Stirling.

HURON.....*Chairman, Mr. George W. Holman, Goderich.
Secretary, Mr. A. T. Cooper, Clinton.
Mrs. W. A. McKim, Goderich.
Mrs. H. Fowler, Clinton.
*Major R. S. Hays, Seaforth.

KENT.....Chairman, Mr. John F. Fletcher (County Clerk), Chatham.
Vice-Chairman, Mrs. Archibald Pow, Ridgetown.
Secretary, Mrs. Catherine McVean, Dresden.
*Mr. John Vance, Thamesville.
*Mr. A. A. Wilson, Tilbury.

LAMBTON.....Chairman, Mr. L. W. Harkness, Mandaumin.
Vice-Chairman, Mrs. Neil Grant, Becher.
*Secretary, Mr. Fred Eastman, Arkona.
*Mr. Thomas Burnley, Camlachie.
Mr. Jos. Hackett, Petrolia.

LANARK.....Chairman, Mr. Williard R. Knox, Carlton Place.
Vice-Chairman, Mr. J. R. McDiarmid, Carlton Place.
Secretary, Mrs. J. K. Kelly, Almonte.
*Mrs. R. V. Fowler, Perth.
*Mrs. Carrie Fields, Robertson Lanark.
Mr. Daniel J. Hogan, R.R. No. 4, Perth.
Mr. Peter McCallum, Almonte (Warden).

LEEDS.....Chairman, Mr. Wm. Bracken, Seely's Bay.
Secretary, Miss F. E. Lyons, Portland.
*Mr. M. B. Holmes, Athens.
*Mr. Omar Buell, Mallorytown.
Mrs. R. G. Leggett, Newboro.

LENNOX AND ADDINGTON.....Chairman, Mrs. Wesley Wagar, Centreville.
*Secretary, Mr. W. G. Wilson, Napanee.
Mr. John L. Smith, J.P., R.R. No. 2, Napanee.
Mr. John A. Brown, Tamworth.
Vice-Chairman, Mrs. W. G. Swayne, Bath.
Mr. Christie Kellar, R.R. No. 5, Napanee.
*Mr. A. C. Tummon, Selby (Warden).

LINCOLN.....Chairman, Mr. D. Moyer, R.R. No. 1, Vineland.
*Secretary, Mr. Wm. Richardson, Merritton.
*Mr. J. E. Masters, Niagara-on-the-Lake.
Mrs. E. W. Fry, Vineland.
Mrs. Jas. Hobden, Beamsville.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

COUNTIES—*Continued*

MIDDLESEX
*Chairman, Mr. John Stuart, County Clerk, London.
Secretary, Miss Mary Grant, 110 Dundas St., London.
*Mr. Allen McPherson, Glencoe.
Mrs. Malcolm Gray, Komoka.
Mr. James W. Park, Parkhill.

NORFOLK
Chairman, Mr. E. D. Halliday, Simcoe.
Vice-Chairman, Mr. Jas. Brayley, R.R. No. 2, Langton.
*Secretary, Mrs. G. A. Smith, Box 229, Delhi.
Mr. H. A. Carter, Simcoe.
*Mrs. Rowena Blacklock, Port Rowan.

NORTHMBERLAND
*Chairman, Mr. Nelson Stone, Campbellford.
*Secretary, Mr. Edmund Quinn, Colborne.
Mrs. M. E. Maybee, R.R. No. 6, Trenton.
Mrs. Findlay Clark, Brighton.
Mr. A. R. Dundas, Cobourg.
Miss May McCaughey, Cobourg.

ONTARIO SOUTH
Chairman, Mr. Robert Thompson, Whitby.
*Mrs. Malcolm Forsythe, Claremont.
*Mrs. Levi Ellins, Columbus.
Mr. Albert W. Jackson, Whitby.
Mr. William M. Real, Box 37, Port Perry.

ONTARIO NORTH
*Chairman, Mr. John Wetheral, Cannington.
Vice-Chairman, Mr. Henry Heavener, R.R. No. 1, Atherley.
*Secretary, Mrs. J. K. McLennan, Beaverton.
Mrs. S. S. Sharpe, Uxbridge.
Mrs. Lawrence Cooper, R.R. No. 1, Washago.

OXFORD
*Chairman, Mr. Abram Searles, Norwich.
Vice-Chairman, Mrs. J. B. Reid, Tillsonburg.
Secretary, Mr. A. E. Roth, Woodstock.
Mrs. E. V. Tilson, Tillsonburg.
*Mr. George Sibbick, R.R. No. 1, Richwood.

PEEL
Vice-Chairman, Mr. David Wilson, R.R. No. 2, Bolton.
Chairman and Corresponding Secretary, Mr. T. W. Duggan, Brampton.
*Recording Secretary, Mrs. W. J. Hunter, R.R. 2' Brampton.
*Mr. J. H. Pinchin, Clarkson.
Mrs. John A. McLachlan, Alton.

PERTH
Chairman, Mr. William Martyn, Mitchell.
*Vice-Chairman, Mrs. Millie Parker, 212 Ontario St., Stratford.
Secretary, Mr. Duncan MacVannel, St. Mary's.
Mr. Wm. Scott, West Monkton.
*Mrs. James Donaldson, Listowel.

PETERBOROUGH
Chairman, Col. R. E. Birdsall, Birdsall P.O.
Vice-Chairman, Mr. John McIntosh, R.R. 3, Peterborough.
Secretary, Mrs. B. W. Squire, Norwood.
*Mr. C. J. Darling, Warsaw.
*Miss M. Tanner, Lakefield.

PRESCOTT
Chairman, Mrs. James Ross, Hawkesbury.
*Secretary, Mr. Edmond Proulx, M.P.P., L'Orignal.
Mr. Feliz Cadieux, Vankleek Hill.
Mr. W. J. Duncan, Vankleek Hill.
*Mrs. Denis Harbic, Hawkesbury.

PRINCE EDWARD
Chairman, Dr. Garfield Platt, Picton.
Vice-Chairman, Mrs. W. R. Browne, Picton.
*Mr. D. W. Robinson, Consecon.
Mrs. Frank Morden, Box 451, Picton.
Secretary, Mrs. Barton Reid, Picton.
*Mr. Herbert Cooper Woodrows P.O.

RENFREW
Chairman, Dr. G. G. McNab, Renfrew.
Vice-Chairman, Mr. Thos. McKibbon, Egansville.
*Secretary, Miss Julia G. Mallon, Pembroke.
*Mrs. Elizabeth Davidson, Beachburg.
Mr. J. J. Neilson, Arnprior.
Mr. Thomas Church, Arnprior.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

COUNTIES—*Continued*

RUSSELL.....Chairman, Rev. W. B. Morgan, Russell.
Secretary, Mrs. J. P. Boyle, Ottawa.
*Miss C. Longtin, Bourget.
Mr. W. T. Erskine, Rockland.
*Mr. Emard (Notary), Embrum.

SIMCOE.....Chairman, Mr. J. T. Simpson, Elmvale.
Vice-Chairman, Mrs. John C. McMullen, Midland.
*Secretary, Mr. D. H. Coleman, Treasurer, Barrie.
Mrs. C. C. Begg, Collingwood.
Mr. S. R. Gendron, Penetanguishene.
Mr. Thos. McKnight, Cookstown.
Mrs. H. E. Todd, Orillia.
*Mr. E. J. Lambert (Warden), Stayner.

STORMONT.....*Chairman, Mr. Henry Williams, Cornwall.
Vice-Chairman, Mrs. John Nephew, R.R. No. 1, Finch.
*Mrs. W. M. Earle, Avonmore.
Mrs. Simeon Eamon, Osnabruck Centre.
Mr. Rodolphe Danis, Cornwall.
Secretary, Mr. John Bolduc, 120 Baldwin Ave., Cornwall.

VICTORIA.....Chairman, Mr. F. G. Perrin, Oakwood.
Vice-Chairman, Mrs. W. A. McLennan, 60 Bond St., Lindsay.
Secretary, Mr. J. W. Lyons, 77 Peel St., Lindsay.
*Mrs. A. Morrison, Kinmount.
Mrs. George Murphy, R.R. No. 4, Lindsay.
*Mr. W. C. Moore, Bobcaygeon.

WATERLOO.....*Chairman, Mr. A. R. G. Smith, New Hamburg.
Secretary, Mrs. Ralph Vance, 165 King St. E., Kitchener.
Mr. Walter Snider, Conestoga.
Mrs. Lowe, Hespeler.
*Mr. Simon Kinzie, Breslau.

WELLAND.....Chairman, Mr. F. H. Gallinger, R.R. No. 3, Niagara Falls.
Vice-Chairman, Miss M. J. O'Neil, Port Colborne.
Secretary, Mrs. E. W. Tench, R.R. No. 3, Niagara Falls.
*Mr. A. D. Damude (Warden), Forthill.
*Mr. J. R. Phillips (Reeve), R.R. No. 1, Fort Erie.

WELLINGTON.....*Chairman, Mr. Herman Graef, Clifford.
Vice-Chairman, Mr. J. A. Cockburn, R.R. No. 1, Puslinch.
Secretary, Mrs. A. G. H. Luxton, Mount Forest.
*Mr. James Beattie, Fergus.

WENTWORTH.....Chairman, Mrs. Adam Inch, Mount Hamilton.
Mrs. J. E. McDonough, Rockton.
Mr. J. E. Peart, County Clerk, Hamilton.
Mr. John S. Fry, Dundas.
*Mr. J. Pickard (Warden), Ancaster.
*Mr. F. P. Martin (Reeve), Sheffield.

YORK.....Chairman, Mrs. L. M. Wedd, 364 Beresford Ave., Toronto.
*Secretary, Mrs. Robert Tier, Islington (Lyndhurst 2576).
Vice-Chairman, Mrs. I. Graves, Scarborough Junction.
Mrs. W. J. Fuller, Newmarket.
Mrs. A. E Pugsley, Sutton West.
Rev. H. R. Young, Fairbank.
Mr. G. I. Hambly, Unionville.
*Mr. George V. Prior, 317 Harvie Ave., Toronto.

CITIES

BELLEVILLE.....Chairman, Mr. Robt. Tannahil, 147 George St., Manager, Bank of Montreal.
*Vice-Chairman, Mr. F. M. Clarke, 219 Front St.
Secretary, Miss Anna M. Hurley, 46 Queen St.
*Mr. W. A. Woodley, 56 Catherine St.
Mr. Charles Hanna, Belleville.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

CITIES—*Continued*

BRANTFORD
*Chairman, Judge A. D. Hardy, Brantford.
Secretary, Mr. F. W. Thompson, Willard Hall.
Dr. C. C. Fissette, Brantford.
Mrs. Mark Hunks, 289 Nelson St.
*Mrs. S. H. J. Reid, 126 Albion St.

CHATHAM
*Chairman, Rev. R. J. M. Perkins, Chatham.
Vice-Chairman, Mr. Albert Groombridge, Chatham.
Secretary, Mrs. Jas. P. Dunn, 49 Stanley Ave.
*Mrs. R. V. Bray, Chatham.
Mr. Chas. Austin, Chatham.

FORT WILLIAM
*Chairman, Mayor J. E. Crawford, 109 Cuthbertson Block.
*Vice-Chairman, Mr. E. C. Smith, 216 Finlayson St.
Secretary, Mrs. E. R. Fulmer, 631 North John St.
Mrs. Geo. A. Graham, 400 S. Vickers St.
Mr. W. P. Bailley, 160 East Amelia St.
Mr. J. R. Pattison, 508 North John St.
Mrs. John McDonald, 343 North Norah St.

GALT
Chairman, Mr. Mark Mundy, Galt.
Vice-Chairman, Mrs. Thos. Barrett, Galt.
Secretary, Mrs. Jean A. Lash, Galt.
*Mr. Alexander H. White, 43 Spruce St.
Mrs. Hugh Wiffler, 47 Lansdowne Rd. N.
*Mr. Aaron W. Hilborn, 60 Wentworth Ave.

GUELPH
Chairman, Mrs. T. Goldie, 250 Queen St.
Vice-Chairman, Mr. C. W. Dawson, 9 Clinton St.
*Secretary, Mrs. A. Anderson, 123 Cork St.
*Ald. H. Quarmby, 21 Paisley St.

HAMILTON
*Chairman, Mr. Russell T. Kelley, Hamilton Advertising Agency.
Vice-Chairman, Mrs. J. Inman, 16 Gibson Ave.
Secretary, Mr. W. V. Patterson, City Hall.
*Mr. Wm. A. Smith, 24 King St. W.
Mrs. Hatch, Hamilton.
Mrs. William Earl, 92 Barnesdale Ave. N.
Rev. Joseph W. Englert, 120 Sherman Ave.

KINGSTON
*Mrs. John Wright, 7 Mack St.
Secretary, Prof. W. A. MacKintosh, Queen's University.
Mrs. M. Easson, 52 Colborne St.
*Chairman, Mr. Samuel S. Corbett, 216 Princess St.
Mrs. Keenan, 265 Barrie St.
Miss Frances Sullivan, St. Clare Apts., Kingston.

KITCHENER
Chairman, Mr. Robert Smyth, 103 Queen St. S.
Secretary, Mr. A. R. Goudie, 42 King St. E.
*Mrs. Chas. K. Massell, 91 Scott St.
*Mr. W. J. Motz, Kitchener.
Mrs. Mary Kaufman, 35 Roy St.

LONDON
*Chairman, Mr. W. J. Kilpatrick (Alderman), London.
Vice-Chairman, Mrs. J. J. Roach, 644 King St.
*Secretary, Mr. S. Baker, City Clerk.
Mr. E. R. Dennis, Dundas St.
Mrs. John Gemmell, 16 Evergreen Ave.
Mrs. J. W. Cunliffe, London.

NIAGARA FALLS
Chairman, Mrs. T. E. Ferris, 941 Roberts St., Niagara Falls.
Secretary, Rev. Guy B. Gordon, 767 River Rd.
*Vice-Chairman, Mr. M. C. Goodsir, 509 Victoria Ave.
Mrs. A. E. Hallam, 126 Bridge St.
*Mrs. W. J. McMurray, Niagara Falls.

OSHAWA
Chairman, Mrs. Edith C. Myers, 97 King St. E.
*Secretary, Mr. C. J. Wilcox, 15 Hall St.
Rev. Father Bench, Oshawa.
Mr. Gilchrist, c/o General Motors.
*Mrs. Frank Robson, R.M.D., Oshawa.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

CITIES—*Continued*

Ottawa	*Chairman, Mr. Herbert McElroy, 36 Thornton St.
	Mme. S. Lelievre, 211 Stewart St.
	Secretary, Mrs. Annie M. Hasley, 2 Queen St.
	Mr. F. W. McCrae, 425 Bronson Ave.
	Mr. Thomas Burns, 2 Queen St.
	Vice-Chairman, Mrs. Flora McTavish, 314 Frank St.
	*Mr. Frank LaFortune, 3 Coburg St.
Owen Sound	Chairman, Mrs. Geo. E. Dunoon, 9th St. East.
	Vice-Chairman, Mrs. W. E. Dunn, 850-3rd Ave. West.
	Secretary, Dr. A. E. Little, Owen Sound.
	Mr. A. F. Armstrong, City Treasurer.
	*Miss Grace M. Lediard (Secretary to Mayor and Council).
	*Mr. R. D. Little, Owen Sound.
	Mrs. Alfred Holstock, Owen Sound.
Peterborough	*Chairman, Mrs. Jos. Knox, 481 Gilmour St.
	Vice-Chairman, Mr. James Abraham, 189 Rubidge St.
	*Secretary, Mr. F. H. Dobbin, Peterborough.
	Mr. T. J. McMurray, 438 Mark St.
	Mrs. Jos. Mills, 451 Hunter St. W.
	Mrs. George Benton, 782 Water St.
	Mr. Joseph M. Maher, 372 Rubidge St.
Port Arthur and Thunder Bay	*Secretary, Mr. A. J. Forsyth, 408 Ambrose St.
	*Mrs. T. S. T. Smellie, Port Arthur.
	Chairman, Mrs. W. A. Milne, Port Arthur.
	Mr. A. C. Wood, Port Arthur.
	Mr. J. W. Sutherland, Hymers.
	Rev. Wm. Reid (Corresponding Member), Schreiber.
	Mr. I. L. Matthews, Port Arthur.
St. Catharines	*Chairman, Mr. A. M. Watts, Queen St.
	Vice-Chairman, Mrs. Mary Malcolmson, Bellevue Terrace.
	Secretary, Mr. L. P. Cunningham, 200 St. Paul St.
	*Mr. D. C. Hetherington, 36 Catherine St.
	Mrs. R. English, 35 Louisa St.
	Mrs. L. M. Schenck, York St.
St. Thomas	*Chairman, Mr. Frank Harding, 56 East St.
	*Vice-Chairman, Mr. Geo. H. Sloggett, 37 Forest Ave.
	Secretary, Miss Tessie Ingram, 134 Wellington St.
	Mrs. Rhea Butler, St. Thomas.
	Mrs. John Lane, 10 Erie St.
Sarnia	*Chairman, Mr. John Wilkinson, 506 Christina St. N.
	Vice-Chairman, Mrs. F. W. Kittermaster, 184 London Rd.
	Secretary, Mr. H. Steele, 327 Stuart St.
	Dr. R. G. H. McDonald, 300 Christina St. N.
	Mrs. George Taylor, Sarnia.
	*Miss Grace Tuck, 153 Cameron St.
Sault Ste. Marie	Vice-Chairman, Mrs. A. Smith, John St.
	Secretary, Mr. Geo. W. Martin, 24 Laird St.
	Mr. Charles Rose, 292 Albert St.
	*Mr. Wm. O'Brien, Sault Ste. Marie.
	Mr. E. Whytall, 166 Tancred St.
	*Miss Anna Coulter, Sault Ste. Marie.
Stratford	*Chairman, Mrs. Harry Davis, 57 St. David St.
	*Secretary, Mr. J. J. Dalrymple, 99 Perth St.
	Mrs. Thos. Ballantyne, 175 Cambria St.
	Mrs. Geo. McLagan, 210 Water St.
	Mr. W. J. Blakeston, 79 Mowat St.
Toronto	Chairman, Miss Gertrude Lawler, 435 Jarvis St.
	*Secretary, Miss Jane Barclay, 157½ King St. E.
	Miss E. Lockhart Gordon, 221 George St.
	Mrs. A. D. Fisher, 4 Roxborough St. E.
	*Mr. J. A. McElhiney, 27 Lakeview Ave.
	Rev. F. E. Powell, 752 Logan Ave.
Welland	Vice-Chairman, Mrs. L. B. Duff, Welland.
	Secretary, Mrs. W. J. Jacobs, 17 Elizabeth St. W.
	Mrs. Dr. Howell, Welland.
	*Mr. Harry Jones, Welland.
	*Mr. Edward Anderson, Welland.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

CITIES—*Continued*

WINDSOR.....Chairman, Dr. Remi Casgrain, 141 Pitt St. W.
*Secretary, Mrs. M. E. Fotheringham, Office of City Clerk.
Miss Helen Bartlett, Victoria Ave.
*Ald. Chas. D. Fraser, 550 Bruce Ave.
Mrs. John A. McKeon, 465 Goyeau St.

WOODSTOCK.....Chairman, Mr. M. J. Brophy, Woodstock Business College.
*Vice-Chairman, Mrs. E. W. Nesbitt, Woodstock.
Secretary, Mr. R. W. Ferguson, 20 Wellington St. N.
*Mr. Geo. A. Davidson, 577 Dundas St.
Mrs. D. J. McGregor, 408 Admiral St.

SEPARATED TOWNS

BROCKVILLE.....Secretary, Mr. J. S. Copland, Brockville.
*Chairman, Mrs. Alice J. Comstock, Brockville.
Mrs. Jos. Fitzpatrick, Pearl St.
Mr. Henry Walter, 41 William St.
Mr. George K. Dewey (Town Clerk), Brockville.
Mr. W. F. Chapman, Brockville.

GANANOQUE.....Chairman, Mr. T. I. Ellis, Gananoque.
Secretary, Mrs. J. A. Jackson, Gananoque.
Mrs. W. Crowter, Gananoque.
*Mr. Wm. Fairman, Gananoque.
*Mr. T. D. O'Connor, Gananoque.

INGERSOLL.....*Chairman, Mr. F. E. Waterhouse, Ingersoll.
*Secretary, Mrs. Wm. Kirwin, Box 253, Ingersoll.
Mr. John Lee, Ingersoll.
Mr. Thos. Hamill, Ingersoll.
Vice-Chairman, Mrs. Charles Scoffin, Ingersoll.
Mrs. F. W. Waters, Ingersoll.

PRESCOTT.....Vice-Chairman, Mr. W. P. McCarthy, Prescott.
*Dr. W. J. Taugher (Mayor), Prescott.
*Secretary, Mr. W. J. Ranson, Prescott.
Mrs. Wm. Crannie (Town Clerk), Prescott.
Miss Louisa Jones, Prescott.

ST. MARY'S.....Chairman, Mr. B. F. Lancaster, St. Mary's.
Vice-Chairman, Mr. D. L. O'Brien, St. Mary's.
Secretary, Mrs. S. J. Dunseith, St. Mary's.
*Mrs. William Mills, St. Mary's.
*Mr. J. K. Richardson, St. Mary's.

SMITH'S FALLS.....*Chairman, Mr. Robert Hawkins, Smith's Falls.
Vice-Chairman, Mr. Richard Craig, Smith's Falls.
Secretary, Mrs. H. S. Coombs, Smith's Falls.
Mrs. Arthur Jones, Smith's Falls.
*Mr. Ed. J. Gilmour, Smith's Falls.

TRENTON.....*Chairman, Mr. P. J. O'Rourke, Trenton.
Secretary, Miss Helena Driscoll, Trenton.
Mr. Robert Whyte, Trenton.
Mrs. T. S. Farncomb, Trenton.
*Mr. W. J. Potts, Trenton.

WALKERVILLE.....*Chairman, Dr. C. W. Hoare, Devonshire and Wyandotte Sts.
Vice-Chairman, Mr. Wm. Grant, 125 Kildare Rd.
Secretary, Mr. H. L. Berry, Box 53, Walkerville.
*Mrs. J. H. Coburn, 134 Argyle Rd.
Mrs. O. C. Tilman, 61 Victoria Rd.

DISTRICTS

ALGOMA.....Chairman, Mr. J. H. Glanville, Thessalon.
Vice-Chairman, Mr. Henry Knight, Jr., R.R. No. 1, Sault Ste. Marie.
Secretary, Mrs. S. M. McGuire, Thessalon.
Mr. E. A. White, Bruce Mines.
Mr. J. M. Gibbs, Richard's Landing.
————————, St. Joseph's Island.
Rev. Richard Haines, Blind River.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

DISTRICTS—*Continued*

DRYDEN.....Chairman, Mr. Alfred Pitt, Dryden.
Mrs. Dingwall, Dryden.
Mrs. M. S. Campbell, Dryden.
Mr. H. M. Davidson, Dryden.
Rev. H. A. Rivers, Dryden.
Rev. R. A. Smith, Dryden.

KENORA.....Chairman, Mrs. J. P. Earngey, Kenora.
Mrs. Thos. Proudlock, Kenora.
Mr. H. Cornish, Keewatin.
Mr. Alex. B. Johnstone, Keewatin.
Mr. Percy L. Langford, Kenora.

MANITOULIN.....Chairman, Rev. W. T. Swainson, Gore Bay.
Secretary, Mrs. W. W. Anglin, Mindemoya.
Mrs. W. A. Hawkins, Little Current.
Mr. T. J. Jackman, Killarney.
Mrs. Howard Smith, Manitowaning.
Mr. William Clarke, Silver Water.

MUSKOKA.....Secretary, Mrs. J. A. Robertson, Bracebridge.
Rev. Frederick Berner, MacTier.
Mr. D. T. Hodgson, Bracebridge.
Rev. John B. Lindsell, Gravenhurst.
Mrs. J. T. Andrews, Bracebridge.
Rev. W. Cairns Conning, Port Carling.

NORTH BAY.....Secretary, Mrs. Wm. Anderson, North Bay.
*Mr. A. Jackman, North Bay.
Mr. C. A. Fink, Mattawa.
Mrs. Wm. White, 205 McIntyre St. E.
Mr. Gordon R. Brady, 37 Main St. E.
Mrs. George Rutherford, 200 Worthington St. E.
*Mr. Ralph Sheppard, North Bay.

PARRY SOUND EAST.....Chairman, Mr. Harry Hayward, Scotia Junction.
Vice-Chairman, Mr. A. M. Church, J.P., Sundridge.
Secretary, Rev. T. M. Murray, Powassan.
Mrs. T. A. Mitchell, South River.
Mrs. R. T. Armstrong, Burks Falls.

PARRY SOUND WEST.....Secretary, Mr. Francis A. White, Parry Sound.
Chairman, Mr. Frederick Tasker, Parry Sound.
Mrs. F. L. Walton, Parry Sound.
Rev. Father Collins, Parry Sound.
Mrs. C. H. Knight, Parry Sound.

RAINY RIVER.....Chairman, Mrs. J. W. Walker, Fort Frances.
Secretary, Mr. C. Bruce Campbell, Fort Frances.
Mr. H. C. Grimshaw, Rainy River.
Mrs. W. F. Sullivan, Emo.
Mr. Alexander F. Cameron, Stratton.

SIOUX LOOKOUT.....Chairman, Dr. W. E. C. Day, Sioux Lookout.
Rev. Mr. McPherson, Sioux Lookout.
Mr. J. A. Hodder, Sioux Lookout.
Mrs. T. L. Carroll, Sioux Lookout.
Mrs. Oscar Anderson, Sioux Lookout.
Secretary, Mrs. W. Green, Sioux Lookout.

STURGEON FALLS.....Secretary, Mr. A. A. Aubin, Sturgeon Falls.
Mr. Philip Levesque, Sturgeon Falls.
Mrs. George Cockburn, Sturgeon Falls.
Mr. Alphonse Legendre, J.P., Verner.

SUDBURY.....Chairman, Mr. Stephen Fournier, Sudbury.
Vice-Chairman, Mrs. J. J. Kehoe, Sudbury.
Secretary, Mrs. R. M. McKessock, Sudbury.
Mr. George S. Buchanan, Sudbury.
Mrs. W. T. Duncan, Sudbury.
Rev. J. T. Brennan, Espanola.
Mrs. A. W. MacDonnell, Coniston.
Mr. W. J. Hambly, Copper Cliff.
Mr. A. Brundage, Capreol.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

DISTRICTS—*Continued*

TEMISKAMING.....Chairman, Mr. John Clark, Englehart.
Vice-Chairman, Dr. J. A. McInnis, Timmins.
Secretary, Mr. A. K. Roberts, Cobalt (Woolworth Block).
Mrs. M. E. Kirstine, Matheson.
Major J. E. McCuaig, Haileybury.
Mr. R. Woods, New Liskeard.
Mrs. E. C. Ward, Cochrane.
Mr. Richard Carter, Kirkland Lake.

INDIAN RESERVES

ALGOMA (Batchewana, Garden River, Thessalon, Mississauga, Spanish River, Serpent River):
Indian Agent, Mr. A. D. McNabb, Sault Ste. Marie.
Mrs. (Canon) Johnston, Garden River.
Mr. C. F. Rothera, Indian Agent, Thessalon.
Mr. John Dyke, Blind River.
Mr. Oscar Cole, J.P., Massey.

BRANTFORD (Six Nations).....Superintendent, Lt.-Col. C. E. Morgan, Brantford.
Rev. J. G. White, R.R. No. 6, Hagersville.
Mr. Elliott Moses, Ohsweken.
Miss Cora Russell, Hagersville.
Mr. H. M. Hill, c/o Lt.-Col. C. E. Morgan.
Mr. P. J. Atkins, Six Nations.
Secretary, Mrs. Wm. Smith, R.R. No. 6, Hagersville.
Rev. Mr. Ruff, Ohsweken.

CAPE CROKER.....Indian Agent, Mr. A. D. Moore, Cape Croker.
(Chippawas of Nawash) Vice-Chairman, Mrs. Chas. Gilbert, Wiarton.
Secretary, Mr. Carl F. Jones, Cape Croker.
Rev. Father Cadot, Cape Croker.
Mrs. Peter Waukey, Cape Croker.
Chief, Chas. K. Jones, Cape Croker.
Mrs. Wm. Akiwenzie, Cape Croker.
Rev. R. R. Elliott, Cape Croker.

CHIPPAWA HILL.....Indian Agent, Mr. Saul Putnam, Chippawa Hill.
(Chippawas of Saugeon) Chairman, Rev.Thos. Whitebeams, Chippawa Hill.
Vice-Chairman, Mrs. A. Ritchie, Chippawa Hill.
Secretary, Mr. Sidney S. Mandowob, Chippawa Hill.
Mr. W. H. Crowell, Chippawa Hill.
Mrs. E. Joshua, Chippawa Hill.
Mrs. Joseph Johnston, R.R. No. 2, Allenford.
Mr. Malcolm McIvor, Chippawa Hill.

GORE BAY.....Indian Agent, Mr. E. T. Priddle, Gore Bay.
Rev. Eugene Papineau, Little Current.
Mrs. John May, West Bay.
Mrs. Paul Cada, Sheshegwaning.
Mr. Robt. Trowbridge.

HIGHGATE.....Indian Agent, Mr. Nelson Stone, Highgate.
(Moravians of Thames) Vice-Chairman, Rev. J. C. Nethercott, Bothwell.
Secretary, Mrs. Eunice Snake, Bothwell.
Mr. James Gardiner, Thamesville.
Mr. Albert Tobias, Sr., Bothwell.

MANITOWANING.....Indian Agent, Mr. R. J. Lewis, Manitowaning.
Mr. Wm. Kinoshameg, Wikwemikong.
Mrs. Jos. Bwanishing, Wikwemikong.
Mrs. Chas. S. King, Wikwemikong.
Rev. T. A. Desautels, Wikwemikong.
Rev. L. Desjardins, Sudbury.
Rev. Edwin Weeks, Little Current.

MUNCEY.....Indian Agent, Mr. Thos. McGookin, Muncey.
(Chippawas, Munceys, Onedias of Thames) Rev. Oliver Strapp, Muncey.
Rev. Mr. Cottam, Muncey.
Mrs. Jennis McGookin, Muncey.
Mrs. C. W. McKenzie, Muncey.
Mr. Albert Smith, Muncey.
Mrs. Fred Dodson, Muncey.
Mrs. Lillie Powless, Muncey.

LOCAL BOARDS—*Continued*

(Those marked * are municipal nominees)

INDIAN RESERVES—*Continued*

STURGEON FALLS.....	Indian Agent, Mr. Geo. P. Cockburn, Sturgeon Falls.
(Dokis, French River, Nipissing and Timagami)	Chief Peter Beaucage, Sturgeon Falls.
	Mrs. Benjamin Goulais, Sturgeon Falls.
	Mrs. Peter McLeod, Sturgeon Falls.
WALPOLE ISLAND.....	Indian Agent, Mr. Thos. Paul, Sarnia.
(Chippawas of Sarnia and Pottawattomies)	Rev. Wm. Harding, Sarnia.
	Rev. S. A. Brigham, Walpole Island.
	Mr. Nicholas Plain, Sarnia.
	Mrs. John Solomon, Walpole Island.
	Mrs. Dan Bressette, Ravenwood.
CHRISTIAN ISLANDS.....	Chairman, Mr. Harold J. Eade, Indian Agent, Christian Islands.
	Secretary, Rev. R. Cowling, Christian Islands.
	Rev. Father Kadoo, Christian Islands.
	Robert Marsden, Postmaster, Christian Islands.
	Mrs. Wm. Assance, Christian Islands.

JOHN M. MCCULLOUGH,
Secretary-Accountant to the Commission.

ANNUAL REPORT

OF

The Commissioner of the Ontario Provincial Police

1928

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by the Printer to the King's Most Excellent Majesty
1929

PRODUCED BY
The United Press
LIMITED
TORONTO
CANADA

To His Honour William Donald Ross, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Report of The Commissioner of the Ontario Provincial Police for the year ending 31st October, 1928.

Respectfully submitted,

William H. Price,
Attorney-General.

Attorney-General's Department,
Toronto, March 20th, 1929.

ONTARIO PROVINCIAL POLICE

Commissioneer

MAJOR-GENERAL V. A. S. WILLIAMS, C.M.G.

Assistant Commissioner

A. CUDDY

Provincial Inspectors

F. E. ELLIOTT — A. E. SARVIS — A. MOSS
W. C. KILLING — H. GRAHAM

Criminal Investigation Branch

J. MILLER, Senior Inspector

Inspectors

A. B. BOYD — W. H. STRINGER — A. H. WARD
E. D. L. HAMMOND — E. C. GURNETT, M.M.

No. 1 District, London	District Inspector	H. Gardner, M.M.
No. 2 " Niagara Falls	"	"	C. F. Airey, M.S.M.
No. 3 " Kitchener	"	"	E. A. Rae.
No. 4 " Barrie	"	"	J. H. Putman.
No. 5 " Belleville	"	"	W. H. Lougheed.
No. 6 " Ottawa	"	"	A. H. Palmer.
No. 7 " Cobalt	"	"	W. T. Moore.
No. 8 " Sudbury	"	"	C. A. Jordan.
No. 9 " Port Arthur	"	"	W. J. Ingram.
Toronto Special District	"	"	F. B. Taber.
Hamilton Special District	"	"	P. Walter.
Windsor Special District	Provincial	"	A. Moss.
Algonquin Park Special District	District	"	A. E. Storie.

Annual Report of the Commissioner of the Ontario Provincial Police, 1928

Ontario Provincial Police,
Headquarters, Toronto

The Honourable the Attorney-General,
Parliament Buildings, Toronto, Ontario.

Sir,—I have the honour to submit herewith my Annual Report for the year ending October 31st, 1928.

Strength and Distribution of the Force on October 31st, 1928

	Commissioner	Assistant Commissioner	Accountant	Provincial Inspectors	Inspectors C.I.B.	District Inspectors	Sergeants	Provincial Constables	Provincial Constables, Motor cycle	Provincial Officers, Grade A	Provincial Officers Grade B	Total	Insp. of Automobiles	Chauffeurs	Clerks, etc.	Vehicles: Motor Cars	Vehicles: Motor cycles
Headquarters	1	1	1	3	6	...	...	3	....	1	....	16	1	8	10	11	...
No. 1 District	...	...	...	...	...	1	1	10	....	3	1	16	...	1	...	1	...
No. 2 District	...	...	...	...	...	1	1	12	....	....	2	16	...	1	1	2	...
No. 3 District	...	...	...	...	...	1	1	12	....	2	1	17	...	1	1	1	...
No. 4 District	...	...	...	...	...	1	1	13	1	1	....	17	...	1	1	3	1
No. 5 District	...	...	...	...	...	1	1	8	....	3	5	18	...	...	1	...	...
No. 6 District	...	...	...	1	...	1	1	15	....	2	4	24	...	...	1	2	...
No. 7 District	...	...	...	...	...	1	2	23	3	1	....	30	...	1	1	2	3
No. 8 District	...	...	...	...	...	1	1	13	2	1	....	18	...	1	1	1	2
No. 9 District	...	...	...	...	...	1	1	15	1	...	....	18	...	1	1	1	1
Toronto Special District	...	...	...	...	...	1	...	3	....	1	7	12	...	...	1	...	...
Windsor Special District	...	...	...	1	...	...	2	17	....	....	....	20	...	2	1	3	...
Hamilton Special District	...	...	...	...	...	1	1	1	....	....	4	7	...	1	...	1	...
Algonquin Park Special District	...	...	...	...	...	1	...	...	....	....	....	1	...	...	...	...	...
Total	1	1	1	5	6	12	13	145	7	15	24	230	1	18	20	28	7

LOCATION OF OFFICERS

Location	Officers	Sergeants	Prov. Con. stables	Prov. Con- stables M.C.	Prov. Officers, Grade A	Prov. Officers, Grade B	Chauf- feurs	Cars or Motor cycles
Headquarters, Toronto	12		3		1	8	8	11
No. 1 District:								
London	1	1	3				1	1
Chatham			1		1			
Sarnia			2			1		
St. Thomas			1		1			
Woodstock			1					
Brantford			1					
Simcoe			1		1			
No. 2 District:								
Niagara Falls	1	1	2			2	1	2
Fort Erie			1					
Bridgeburg			1					
Welland			2					
Dunnville			2					
St. Catharines			2					
Queenston			1					
Grimsby			1					
No. 3 District:								
Kitchener	1	1	4			1	1	1
Walkerton			1					
Wiarton			1					
Goderich			1					
Stratford			1		1			
Guelph			1		1			
Orangeville			1					
Owen Sound			1					
Hanover			1					
No. 4 District:								
Barrie	1	1	1				1	3
Orillia			1					
Midland			1		1			
Alliston			1					
Collingwood			1					
Oshawa			2					
Brampton			1					
Cooksville			1					
Bracebridge			1					
Huntsville				1				1
Parry Sound			2					
Burk's Falls			1					
No. 5 District:								
Belleville	1	1	1	1		1		
Madoc			1					
Marmora						1		
Bancroft						1		
Picton			1					
Lindsay			1		1			
Haliburton						1		
Peterborough			1		1			
Cobourg			1			1		
Brighton			1					
Napanee			1					
Enterprise						1		
No. 6 District:								
Ottawa	2	1	1			1		2
Rockland						1		
Cornwall			1					

LOCATION OF OFFICERS—Continued

Location	Officers	Sergeants	Prov. Constables	Prov. Constables M.C.	Prov. Officers, Grade A	Prov. Officers, Grade B	Chauffeurs	Cars or Motor cycles
Morrisburg			1					
Finch			1					
Pembroke			1					
Barry's Bay						1		
Renfrew			1					
Kingston			1					
Sharbot Lake						1		
Smith's Falls			1					
Carleton Place					1			
Brockville			2					
Prescott			1					
Hawkesbury			1					
L'Orignal					1			
Alexandria			1					
Lancaster			1					
No. 7 District:								
Cobalt	1	1	3				1	2
Haileybury			1	1				1
South Porcupine			1					
Porquis Junction			1	1				1
Elk Lake			1					
Larder Lake			1					
Timmins			1					
Kirkland Lake			2					
Gowganda			1					
Kapuskasing			2					
Englehart			1					
Boston Creek			1					
Ansonville			1					
North Bay			1	1	1			1
Sturgeon Falls			1					
Temagami			1					
Cochrane		1	2					
Hearst			1					
No. 8 District:								
Sudbury	1	1	3	1			1	2
Foleyet			1					
Capreol			1					
Gore Bay			1					
Sault Ste. Marie			1	1	1			1
Blind River			1					
Chapleau			1					
Hornepayne			1					
Bruce Mines			1					
Gogama			1					
White River			1					
No. 9 District:								
Port Arthur	1	1	2	1			1	2
Fort William			1					
Nipigon			1					
Nakina			1					
Kenora			2					
Sioux Lookout			2					
Dryden			1					
Fort Frances			2					
Rainy River			1					
Gold Pines			2					
Toronto Special District	1		3		1	8		

LOCATION OF OFFICERS—Continued

Location	Officers	Sergeants	Prov. Constables	Prov. Constables M.C.	Prov. Officers, Grade A	Prov. Officers, Grade B	Chauffeurs	Cars or Motor cycles.
Windsor Special District	1	2	12	.....	.....	.....	2	3
Amherstburg	.....	.....	2	.....	.....	.....	.....	.....
Leamington	.....	.....	2	.....	.....	.....	.....	.....
Tilbury	.....	.....	1	.....	.....	.....	.....	.....
Hamilton Special District	1	1	1	.....	.....	4	1	1
Algonquin Park Special District	1	.....	.....	.....	.....	.....	.....	.....

APPOINTMENTS AND RETIREMENTS

The following appointments to and retirements from the Force became effective during the year 1927-1928:

APPOINTMENTS

Provincial Constables	75
Provincial Officers, Grade B	17
Total	92

RETIREMENTS

	Resigned	Permitted to resign	Dismissed	Services dispensed with	Died	Struck off strength	Total
Provincial Inspectors	1	.....	.....	.....	.....	.....	1
District Inspectors	.....	.....	.....	.....	.....	.....	.....
Sergeants	.....	.....	.....	.....	.....	.....	.....
Provincial Constables	10	2	4	1	1	2	20
Provincial Officers, Grade A	1	.....	.....	1	.....	.....	2
Provincial Officers, Grade B	2	.....	2	1	.....	.....	5
Total	14	2	6	3	1	2	28

NEW POSTS

Owing to the demands made from all parts of the Province on the services of the members of the Department, it was found necessary to increase the strength of the Force by seventy-five constables, and to establish a number of new posts in territories where there was no adequate police protection.

New posts were opened and members of the Force stationed at the following points:

Wiarton
Cooksville
Brighton
Finch
Amherstburg
Bruce Mines
Hanover
Huntsville
Rockland
Smith's Falls
Tilbury
White River
Alliston
Picton
Morrisburg
Barry's Bay
Boston Creek
Gold Pines

TRANSFERS, ETC.

To enable the District Inspector to exercise greater supervision, I found it necessary to recommend the transfer of the District Headquarters of No. 6 District from Cornwall to Ottawa, where their location would be much more central and where better transportation facilities exist.

This transfer became effective in July and results have proven the wisdom of the change.

In keeping with the policy of the Department in maintaining its efficiency, a number of transfers of members of the Force have been made from one part of the Province to another. There has also been the usual number of transfers to fill vacancies caused by deaths, promotions, retirements, etc.

CONDUCT AND DISCIPLINE

The conduct and discipline of all ranks has with few exceptions been excellent, and the members of the Force have shown a commendable spirit of loyalty and efficiency.

THE HEALTH OF THE FORCE

With the exception of colds and influenza caused through exposure to the inclement weather, there has been very little sickness among the members of the Force during the past year, and with the exception of one constable killed, no serious injury to anyone whilst in the execution of their duty.

DEATH

I regret to have to record the unfortunate death of Provincial Constable N. F. Maker. On May 3rd, 1928, at or about 9 a.m., Provincial Constable Norman Maker was shot and killed by a bullet from a revolver in the hands of David Montgomery at the Montgomery House, Peterborough.

Provincial Officer Stewart had been summoned to the hotel where David Montgomery was causing trouble. Obtaining the assistance of Provincial Constable Maker, they went to the hotel. They met Montgomery and Constable Maker told him what they had come about and asked if it was true that he, Montgomery, was carrying a gun. Montgomery answered, "Come on, I'll give you the gun," and he then led the way into the hotel. He went upstairs and into his room, the two officers following. Whilst following him down the corridor, Montgomery, who had gone into his room, suddenly reappeared with a revolver in his hand and fired point blank at the two officers. They retreated and rushed down the stairs. When they were near the second floor two more shots were fired, one of which struck and killed Maker. Provincial Officer Stewart continued on down the stairs and ran out to obtain help, one bullet grazed his cheek on the way down. He heard Montgomery click the gun several times behind him as he ran for the street. Provincial Officer Stewart notified the Peterborough City Police who sent constables to the hotel. Constable Puffer went at once to Maker's assistance, but nothing could be done for him. Whilst Constable Puffer was examining Maker, Montgomery was in the hall upstairs with the revolver levelled at him. He then disappeared. Whilst the constables were making a search for him, a maid informed them that he was going down a rope at the back of his room. Constables Carey and Matthews

immediately went to the rear of the hotel and saw Montgomery go into an old paint shop. As Constable Matthews went to go into the door of the paint shop, he met Montgomery with his revolver in his hand. Matthews called to him to drop it, but instead he made a motion to use it. Matthews fired and the bullet entered Montgomery's chest. Montgomery fell fatally wounded and as he fell he made a last effort to shoot Constable Matthews.

The late Provincial Constable Maker was a very efficient policeman and had earned for himself an enviable name due to his absolute fearlessness when called upon to do his duty and his death was a great loss to the Force in general.

GENERAL REMARKS

There has been a noticeable increase in the return of cases prosecuted under both the Criminal Code and Liquor Control Act, but this is due more to the increased strength of the Force than to any particular outbreak of lawlessness. It means, in fact, that sections of the Province that have not received adequate police protection in the past are now being given proper attention. Notwithstanding the increase in prosecutions, I am pleased to report that the Province has been commendably free from crimes of the more serious nature.

In Northern Ontario especially, crimes against the person and property have been noticeably low in number. This speaks well for the law-abiding spirit of the residents considering the cosmopolitan make-up of the population comprising these northern districts.

The mining industry has been booming, which has been the means of thousands coming in seeking employment and others of a more undesirable type following in their train. Reports show that some towns in the District of Temiskaming have practically doubled their population during the past year, with every appearance of greater prosperity in the future, which means that our posts in that district will have to be again strengthened in the coming year.

There were no reports of any serious outbreak of contagious disease in any mining or lumber camp, but following diverse climatic conditions, many settlers' families have suffered severe privations owing in some cases to the complete failure of their crops, and being unable to harvest them in others.

Tours of Inspection

I have made visits of inspection to all District Headquarters and many individual posts during the year, and with a few minor exceptions found conditions satisfactory.

At each Headquarters all Provincial Constables and L.C.A. officers were present. The constables were inspected as to uniform and equipment, and made a very smart appearance. In addressing the members of the Force, special reference was made to the importance of maintaining the closest co-operation between municipal and other forces, gaining and keeping the confidence of the public, and the utmost honesty and integrity in all their dealings concerning the administration of their duties.

I found conditions generally satisfactory and a continuation of the feeling of confidence and trust between the members of the Force and public.

All matters brought to the attention of the several District Headquarters and individual detachments have been efficiently and satisfactorily dealt with.

I am convinced that the growing strength of the Force and the dispatch with which complaints are handled when coming to the notice of the men are to a certain degree responsible for keeping serious crime at a low level.

On October 11th, 1928, I sailed for England on special instructions from yourself with the object of studying police methods in the British isles. The result of my enquiries will be embodied in a report and forwarded to you in due course.

The number of investigations made by members of the Force into matters of every conceivable description was 26,499.

These investigations covered a great range, and in addition to complaints of infractions of the Criminal Code, Liquor Control Act and other Acts, they include requests to locate missing persons for private individuals and other police forces, foreign consuls and municipal authorities in Great Britain and Ireland, many European countries, and the United States.

Many of these investigations are merely routine, but to be carried out, take up a great deal of the time of the members of the Department, and very often at considerable expense.

In making these investigations the members of the Force patrolled 1,112,020 miles. This does not include the mileage of motor cycles engaged in highway patrol.

Patrol by Forestry Air Service

By courtesy of the Department of Lands and Forests, an arrangement has been made whereby the members of the Force on duty in Northern Ontario may be carried by the pilots of the Forestry Air Patrol when it becomes necessary to make investigations in a territory where there is no regular means of transportation. Such arrangement to apply only to the regular patrols of the aircraft, unless some very special services are required, when permission has to be obtained from the Department Headquarters, Toronto.

This assistance has proven of very great benefit and has enabled the members of the Force to give almost immediate attention to matters that, without the use of the air service, would have delayed for an indefinite period.

Criminal Investigation Branch

The Inspectors of the Criminal Investigation Branch have investigated and reported on a number of very serious occurrences including the most important crimes, such as murder, manslaughter, bank robberies, arson, burglaries, and cattle poisoning, etc. The majority of these investigations were made at the request of the Crown-Attorneys of the counties concerned, and, with few exceptions, have been successfully cleared up.

During the racing season, officers from this Branch were present at all the tracks in the Province during the time racing was being carried on, and were responsible for the prosecution and conviction of a number of "bookmakers" and other undesirable race-track frequenters.

All carnivals, circusses, etc., were kept under observation during their stay in the Province, and a number of objectionable features eliminated, gambling outfits seized, and the operators prosecuted and convicted.

A number of prisoners wanted for various crimes in this Province were brought back from points in the United States by Inspectors of the Criminal Investigation Branch under warrants of extradition.

The campaign instituted by the law officials of your Department to rid the Province of questionable high-pressure salesmen and stock brokerage firms has been continued with signal success.

Motor Cycle Patrol

The building of good roads in Northern Ontario has been responsible for a very large increase in motor vehicular traffic, both local and tourist, and I found it necessary to take some means to control and direct such traffic.

In June permission was granted by you to form a Motor Cycle Patrol and a number of men with motor cycle experience were appointed constables and posted to such patrol. After receiving tuition in general law enforcement, which embraced the Criminal Code, Highway Traffic Act, Liquor Control Act, First Aid, etc., they were in July posted to various territories in Northern Ontario north of the Severn River. Posts were formed at Huntsville, North Bay, Sault Ste. Marie, Sudbury, Haileybury, Porquis Junction, and Port Arthur, and the patrol was kept in operation until the end of the police year.

From reports received from various sources, especially from the District Inspectors under whom the various officers were posted and performed their duties, there can be no doubt that the inauguration of this patrol has been a pronounced success. Many letters of commendation have been received regarding the good work performed by them and assistance rendered tourists, with the practical absence of complaints regarding the manner in which their duties were performed.

With the yearly increase of motor vehicular traffic over the highways, the ever-increasing popularity of this portion of the Province as a holiday resort, and the growing interest in the mining industry, there is no doubt that next year this patrol will have to be considerably increased in numbers.

FOREST FIRES ACT

There were a number of prosecutions and convictions under this Act. Members of this Force in Northern Ontario are instructed to pay special attention to the enforcement of this Act, and to institute proceedings in flagrant cases, also to assist the fire rangers when necessary, thus preventing the needless destruction of much valuable forest. Since the inception of the Forestry Air Patrol, the calls on the members of this Force for fire fighting have been considerably lessened.

GAME AND FISHERIES ACT

Twenty-two prosecutions were instituted for offences against the various sections of this Act, and sixteen convictions obtained. Assistance has also been given the game wardens, and complaints investigated whenever requested by the officials appointed to enforce this Act.

GAMBLING, HANDBOOKS AND GAMES OF CHANCE

One hundred prosecutions were instituted for offences under this head, and ninety-five convictions obtained.

A number of gaming devices of various descriptions were seized (some of a very elaborate pattern) and confiscated by the courts.

HIGHWAY TRAFFIC ACT

One thousand and forty-five prosecutions were entered and 963 convictions obtained against persons who violated the various provisions of this Act.

The increase in the number of prosecutions under this Act is due primarily to the posting of the Motor Cycle Patrol in Northern Ontario where this Depart-

ment is responsible for enforcing the provisions of the Highway Traffic Act, and to a lesser degree to the general strengthening of the Force. I am of the opinion that the licensing of all drivers has had a beneficial effect, but there are a number of irresponsible persons driving motor vehicles that no legislation will ever control.

CUSTOMS AND EXCISE ACT

The number of prosecutions for offences under this Act shows a slight increase, there being ninety-seven this year as against seventy-seven in 1927.

This increase can be attributed to the increased strength of the Force and the greater activity displayed in dealing with matters connected with the enforcement of the Liquor Control Act.

In the more remote parts of the Province, we still have considerable difficulty in dealing with the manufacturers of moonshine liquor. Reports submitted by the District Inspectors show that it is very rarely in territories served by a Liquor Control Store that we now have any trouble with illicit stills, the operation of such being almost entirely confined to the more outlying parts of the Province.

INSANE PERSONS

Seventy-five unfortunate individuals who had become unbalanced were brought before the Magistrates and after due examination by competent medical authorities sixty-two were pronounced insane and committed to mental hospitals and thirteen discharged to the care of friends.

This is one of the most distressful duties our men are called upon to perform, especially difficult in the sparsely settled district of Northern Ontario, where many of the cases occur. Great care and consideration must be given these unfortunates until such time as they can be admitted to one of the mental institutions.

OFFENSIVE WEAPONS

Seventy prosecutions were instituted under this heading and sixty-four convictions obtained, the majority being against aliens for having fire-arms in their possession.

In all cases where the Magistrate ordered the confiscation of the weapon, the article in question was forwarded to my office.

Amongst those received have been a number of shotguns, rifles, revolvers, knives, razors, etc.

BLACKHAND AND EXTORTION

The following case of rather more than ordinary interest and one that is fortunately rare in the criminal records of the Province was investigated and successfully prosecuted by the Niagara Falls Police Department, assisted by the Inspectors of the Criminal Investigation Branch of this Department:

About 3.15 a.m. on November 6th, 1927, the residence of Frank Mango, 1707 North Main Street, Niagara Falls, was dynamited, the glass in the three front windows and the door being blown out, also part of the front veranda steps blown off, this being the second attempt within two weeks to blow the Mango house up.

Mango has a shoe store and shoe repair shop at 1904 South Main Street, and on July 4th he rented the shoe repair shop to one Sam Sarvillo who was in

hard circumstances in Niagara Falls, N.Y. On September 15th, 1927, Sarvillo left the shop, leaving his machinery until he could get money to pay Mango what he owed.

Mango claims that in September he heard Sarvillo and another man, Francesco Maiuolo, talking about the debt and how Sarvillo could get out of paying it. The remarks were, that would be easy, "just blow him up," meaning Mango. Mango was the only person there when this conversation took place, who could speak Italian, so there was no corroboration.

Mango also received a blackhand letter demanding $4,000.

One Joe Italiano was introduced to Mango, and Mango told him the full facts of the matter, and stated he did not have the necessary funds to meet the demand. Italiano said he would meet the gang and see if the amount could not be materially reduced.

Italiano returned the following night and said the "gang" wanted $1,000 which Mango refused. The following night Italiano returned and demanded a final settlement of $400 which under the circumstances was agreeable to Mango, and on the night of November 14th, 1927, Mango paid Italiano the sum of $100 in cash on account and handed over the threatening letter. On November 21st, 1927, Mango paid Italiano a further payment of $100, subsequent to this payment Mango reported by agreement to the Niagara Falls Police and a trap was made to snare Italiano by the Chief Constable. On the night of December 1st, 1927, Mango made the third payment to Italiano at his store on Main Street, paying him with one $50 bill, one $20 bill, and three $10 bills, one of which being U.S. currency. Italiano insisted that the final payment be made by Mango on the Tuesday night before Christmas, and demanded the letter mailed to Mango from Buffalo. This Mango gave him, and Italiano left the premises. Some distance from the place Italiano was arrested by the City Police. Italiano was immediately searched and the above-mentioned money was found along with some other articles.

On February 16th, 1928, Italiano was indicted at the Welland Assizes before Mr. Justice McEvoy and jury, and was dealt with as follows:

Count 1.—Letter demanding $4,000 with menaces October or November, 1927, Section 451 C.C.

Count 2.—Letter demanding $400 with menaces about November 12th, 1927, Section 451 C.C.

On these two counts sentenced to three years' imprisonment.

Count 3.—Robbery, $100, about November 14th, 1927, Section 447 C.C.

Count 4.—Robbery, $100, about November 21st, 1927, Section 447 C.C.

Count 5.—Robbery, $100, about December 1st, 1927, Section 447 C.C.

On these three counts, viz., 3, 4, 5, sentenced to three years imprisonment with five lashes at one month, six lashes at seven months, and seven lashes at fourteen months.

Count 6.—Demanding with intent to steal $1,000 and $400 about November, 1927, Section 452 C.C.

Count 7.—Conspiracy to demand $4,000 and $400 by menacing letters about October and November, 1927, Section 573 C.C.

Count 8.—Conspiracy to rob, $100, about November 14th, 1927, $100 about November 21st, 1927, and $100 about December 1st, 1927, Section 573 C.C.

On these three counts, viz., 6, 7, and 8, sentenced to three years imprisonment.

THEFT OF POULTRY AND SILVER FOXES

Under the above heading a number of serious cases of theft have been reported and investigated, silver foxes to the value of many thousands of dollars being stolen in various parts of the Province.

We were successful in apprehending and convicting those responsible for the two more extensive thefts, and although the live animals were not recovered, our officers were fortunate enough to recover the majority of the pelts, one pelt being traced through various transactions until finally located in the possession of the Hudson Bay Company, London, England.

Quite exemplary sentences were imposed in some of these cases which, I hope, will have a deterrent effect on this particular kind of thief.

Numerous complaints of poultry stealing have been reported and investigated, with a large number of successful prosecutions and severe sentences imposed, but I regret to say that reports of farmers and poultry owners being robbed of their flocks still continue to come in. The Inspectors in charge of districts use every endeavour to apprehend and prosecute those responsible for these thefts, but are not always successful.

I have instructed all District Inspectors that special efforts must be made to cope with this form of lawlessness, that they are to take the matter up with the county authorities and work in unison with them in giving protection to the poultry farmers of the Province.

DEATHS FROM VIOLENCE AND UNNATURAL CAUSES

The following number of deaths from violence and other unnatural causes was reported to and investigated by members of this Force during the year:

	1928	1297
Murder	14	10
Manslaughter	18	23
Suicide	58	45
Automobile fatalities	162	148
Drowning	144	120
Other causes, i.e., shooting, deaths from burns, exposures, etc	243	119
Total	629	465

In comparison with the figures for the preceding year these figures show an increase of 164, due principally to the increase in deaths from drowning, automobile fatalities, and miscellaneous causes.

The investigations and assistance rendered in these cases cause an enormous amount of work by the members of the Department, all of which is very necessary so that the full facts can be laid before the Coroner or Crown-Attorney.

AUTOMOBILE FATALITIES

One hundred and sixty-two deaths attributed to the use of automobiles on the highway were reported during the year.

These fatalities occurred mostly in rural districts, and again one of the largest contributing factors was motor vehicles being struck by trains at level crossings.

Investigation proved that many of these fatal accidents were avoidable and due to careless or negligent driving.

A number of these deaths were caused by what is termed the "hit and run driver," a very dispicable type of creature who after running down his victim speeds up and gets away from the scene with as little delay as possible.

We were responsible for bringing a number of such cases to trial, but I regret to report there are still some cases which although the whole resources of the Department have been used in the investigation, assisted by every police force in the Province, we have failed to bring the guilty driver to justice.

These investigations become extremely difficult, when automobiles have been able to leave the scene without any witnesses to the fatality or without sufficient damage to the automobile to cause it to go to a garage for repairs.

These are some of the tragedies which offset the many advantages derived from the use of the automobile.

DEATHS FROM DROWNING

One hundred and forty-four cases of death from drowning were reported to and investigated by members of the Force, and many requests for assistance from friends and relatives to recover the bodies of the victims.

Assistance was rendered in all cases wherever practicable, and in many cases where the body was not recovered at the time of the search, attention was continued in the event of it being afterward washed ashore.

MURDERS

Unknown Man Near St. Pauls, Ontario

On October 31st, 1927, the body of an unknown man was found apparently murdered in some bushes about three-fifths of a mile from St. Pauls railway station and close to the railway tracks. Examination showed he had died from a fractured skull, apparently the result of a blow. Very extensive enquiries were made by our officers stationed at Stratford, also by an Inspector of the Criminal Investigation Branch, but the body was never identified or the actual means of death discovered.

The verdict of the jury was that "an unknown man came to his death by violence at the hands of some person or persons unknown to them."

Azor Robertson and Ruby Martin, Tecumseh Twp., Simcoe County

On February 4th, 1928, the barn of Azor Robertson, situated in the Township of Tecumseh, in the County of Simcoe, was burned down with contents. The bodies of Robertson and his daughter, Ruby Martin, were found to be in the barn and were burned beyond recognition. Suspicions were aroused that the deaths of the two persons and the fire were intentional, and a hired man, George O'Neill, was arrested and held as a material witness.

As a result of a searching investigation, O'Neill was later charged with the double murder of Robertson and his daughter, and was convicted and sentenced to death.

F. T. Auger, Burritts Rapids

On February 12th, 1928, F. J. Auger was shot by a revolver in the hands of Walter H. Percival owing to a dispute over leaving a gate open. Auger died in

the hospital February 14th, and Percival was committed for trial on a charge of murder. At the trial the jury returned a verdict of manslaughter, and Percival was sentenced to two years in Ontario Reformatory.

Michael Jonash, Flamboro Centre

On February 28th, Michael Jonash, a Russian Polish farmer, met his death as the result of violence inflicted by Jacob Scyepaneh and Joseph Deezuk, as the result of a drinking bout at Jonash's farm. Scyepaneh and Deezuk were arrested, charged with murder, and committed for trial. The jury returned a verdict of manslaughter, and they were both sentenced to life imprisonment.

John A. Kennedy, formerly of Windsor, Ontario, murdered in Erie Twp., Munro County, Michigan, U.S.A.

On May 3rd, 1928, the body of an unknown man was found in a small wood on a farm at Section 6, Erie Township, Monroe County, Mich.

Enquiries resulted in the body being identified as that of John A. Kennedy, a well-known resident of Windsor, Ontario, and a former accountant of the Carling Brewing & Malting Company, London, Ontario.

An examination of the body showed a small bullet hole in the head over the right ear, apparently the cause of death. No autopsy was made and the body was forwarded to Windsor, Ontario, where on instructions of relatives it was sent to Ottawa and interred in Metcalf Cemetery.

Owing to Kennedy's Windsor connection, an Inspector of the Criminal Investigation Branch of this Department was detailed to work with the United States police officials and the Royal Canadian Mounted Police, who were also interested in the case.

Further enquiries showed that Kennedy had been served a few days previous with a subpoena to appear as a witness in a case to be heard at Toronto, and that he was very perturbed regarding the matter. He was last seen crossing to Detroit on the ferry about 7.30 p.m. on the evening of April 30th, and nothing more heard of him until his body was found on May 3rd.

In view of the fact that no post-mortem had been held in Michigan, representations were made to the Department of the Attorney-General in consequence of which an order was issued and Kennedy's body exhumed.

The autopsy showed a fractured skull apparently from a violent blow, also bullet holes in the skull, either injury sufficient to cause death.

The investigation was proceeded with along certain lines and has been continued to date, but so far those responsible have not been apprehended.

Annie Rabina, Coburn Island

On May 5th, 1928, Annie Rabina, Indian woman, was shot and killed by her husband, Edmund Rabina, at the Indian Reservation, Coburn Island. Rabina was arrested and charged with murder. He was convicted and sentenced to hang. The sentence was commuted to life imprisonment.

Thomas Baker, Bridgeburg

On August 9th, 1928, Thomas Baker was shot and killed by a bullet from a revolver in the hands of one, William Fordham, in the house of Walter Mullet, Bridgeburg. Walter Mullet was at the same time shot and dangerously wounded. Fordham was arrested, charged with murder and attempted murder. At his trial he pleaded insanity and the jury after hearing expert medical evidence

returned a verdict that he was insane and not fit to stand his trial. He was committed to an asylum to await the pleasure of the Lieutenant-Governor.

Albert Laflamme, St. Raphaell

On August 10th, Albert Laflamme, farmer, of St. Raphaell was shot and killed as he was fetching the cows in to be milked in the early morning. His brother, Raoul LaFlamme, was arrested and charged with murder. At the trial the jury returned a verdict of manslaughter and Laflamme was sentenced to life imprisonment.

Hold-up of Mail Train and murder of Thomas Jackson, farmer, Parry Sound.

On August 18th, 1928, two masked and armed bandits staged a hold-up of the mail car on the Winnipeg-Toronto C.P.R. Train No. 4, between Sudbury and Parry Sound. The bandits entered the mail car at Romford Junction about eight miles east of Sudbury. As the train stopped to receive running orders for Parry Sound, they stood the three mail clerks up at one end of the car, one of the robbers covered them with a revolver whilst the other rifled the mail bags.

On arrival of the mail train at Parry Sound, about 3 a.m., the robbers left the train as it slowed down, stole an automobile and made for the open country. After driving about eight miles the automobile went into the ditch and the occupants went to the farm of Thomas Jackson, nearby, for assistance. In the meantime, the robbers had been pursued from Parry Sound, and the pursuers came upon the stolen automobile just as Jackson and his son, accompanied by one of the robbers, came up with a team of horses to pull the car out of the ditch. When the robber with Jackson saw the pursuers who consisted of two brothers, Laird and Harry Roland, he at once pulled a gun and started to shoot. The first shot struck the farmer, Thomas Jackson, in the throat and killed him instantaneously. The second bullet went through one of the Laird boys arms, but the three young men rushed the robber and Houghton Laird knocked him down with an automobile wrench. After a fierce fight he was overpowered and bound. Our officers at Parry Sound had been notified and had followed up the chase. To them the robber gave his name as Jan Burowski, and on searching him they found $1,725.00 in bills of various denominations which money was proven to be part of that stolen from the mail car. Burowski was arrested and taken to Parry Sound.

The pursuit of the other robbers continued through the bush for many days and nights, but in spite of all the resources of the Department being employed in the search, the officers were unsuccessful in affecting more arrests.

Burowski was charged with murder and robbery under arms, and convicted and sentenced to hang December 7th, 192 .

Romeo and Leo Lagreois, Cornwall

On September 17th, Mrs. Delina Lagreois killed her two children, Romeo, age 17 months, and Leo, age four months, by drowining them in the toilet at her home. She then took lye in an effort to take her own life, but was unsuccessful. She was arrested and charged with murder, and committed for trial.

She did not stand trial as she was certified insane and committed to an asylum.

Russell Campbell, Melbourne, Ontario

On January 8th, 1928, William Murrell was arrested at Los Angeles on a charge of being implicated in the murder of Russell Campbell, bank cashier, who was shot and killed in an attempt to prevent the Home Bank at Melbourne from being robbed April 11th, 1921. Murrell was returned to Canada on a warrant of extradition, and at his trial in October was found guilty and sentenced to death. This leaves only one member of this gang implicated in this robbery and murder still at large, namely, Pat Norton.

OFFENCES AGAINST WOMEN AND GIRLS

The following table gives the prosecutions, convictions, dismissals, etc., for offences of this nature prosecuted by members of this Force during the year:

	Prosecutions	Convictions	Dismissals	Withdrawn	Awaiting disposal	1927
Abduction	8	3	3	2	.....	13
Carnal knowledge and attempted	45	24	14	4	3	45
Incest	13	9	3	1	.....	16
Indecent assault	62	43	13	3	3	39
Rape and attempted	14	6	7	.....	1	18
Procuring	8	4	4	.....	.....	3
Seduction	24	13	8	3	.....	14
Totals	174	102	52	13	7	148

LIQUOR CONTROL ACT

I am pleased to report that returns from all District Inspectors show a general improvement in the enforcement of the Act coupled with a feeling of satisfaction on the part of the public with the way the Act is working. It becomes more and more apparent that public opinion is behind the legislation. This is very noticeable in the amount of information given to the enforcement officer regarding those who violate the Act, which disposition to give information was noticeably lacking in former years.

Another gratifying feature is the apparent readiness of the majority of municipal police forces to enforce the provisions of this Act, a readiness that was noticeably lacking on the part of many municipal forces when the Ontario Temperance Act was in force.

In the early part of the year there was considerable petty bootlegging carried on in private homes through the sale of liquor obtained on permits. This condition has, however, to a large extent, been successfully dealt with. Reports now show that a great number of those whose permits are cancelled for cause are resorting to the sale of alcohol, a large percentage of the prosecutions and convictions during the last six months of the year have been for offences of this nature.

The source of supply of the alcohol how illicitly sold is very difficult to solve, but the greater quantity of that seized shows that it is an American product, and I have good reason to believe that from information recently in

the possession of the Department, this problem will eventually be successfully dealt with.

There has been a persistent effort on the part of many hotel and roadhouse keepers throughout the Province to carry on the sale of liquors, and in many cases the Inspectors in charge of law enforcement in the districts found themselves handicapped by obstacles that were difficult to overcome. Some of the obstructive tactics pursued by certain hotel and roadhouse keepers consisted of a system of outside sentinels who give the alarm by means of concealed buzzers. Strong bolts and bars were put on the bar-room doors which on the alarm being given were locked, thus giving those in charge of the bar time to destroy the evidence before the officers could make their search.

In a number of hotels, cement chutes have been built from the bar-room to the basement, and when the alarm is given, bottles, etc., are thrown down the chute and bricks and boulders thrown down after to destroy the bottles or jugs.

The hotel and roadhouse keepers were notified that the bar-rooms must be kept open to the police or they would be proceeded against for obstruction. After such notification, whenever the officers found the bar-room doors locked, they broke them open with sledge hammers and entered prosecutions against the proprietors. This was kept up until now it is seldom a bar-room is found locked.

A number of hotels and roadhouses have closed their bar-rooms entirely, and no sales of any description take place in the bars.

The campaign put on in the Windsor District during the year against the export companies which resulted in large seizures of liquor being made and prosecutions following, resulting in convictions and fines to the approximate amount of $38,000.00 being imposed, besides a very large amount of liquor being confiscated. This has had a marked effect in improving conditions at that point. If the movement now on foot to reduce the number of export docks is successful, it will be still more beneficial and enable our men to pay closer attention to those that remain. I might say that reports show that at no time since before the Ontario Temperance Act came into force, have conditions been better in the border districts than they are now. Many roadhouses have gone out of business entirely, and those that are left are finding it extremely difficult to carry on, that is, if they wish to make the sale of liquor part of their activities.

There have been 6,094 prosecutions by the Provincial Police under the provisions of the Liquor Contral Act throughout the Province of Ontario for the past year. These comprise 5,013 convictions, 757 dismissals, 280 withdrawals, 1,084 commitments to gaol, and 44 awaiting trial. The fines imposed amounted to $278,286.00 and in addition the following amount of liquor was confiscated:

Bottled beers	57,182 bottles
Draught beers	364 gallons
Bottled liquors	8,564 bottles
Bottled alcohol	452 bottles
Bulk alcohol	414 gallons
Bottled wines	982 bottles
Malt	10 gallons
Approximate value	$30,500

There was also confiscated 22 automobiles with a valuation of about $6,420.

Number of prosecutions	6,094
Number of convictions	5,013
Number of dismissals	757
Number of withdrawals	280
Number of commitments	1,084
Number awaiting trial	44
Fines imposed	$278,286 00
Confiscated automobiles	6,420 00
Confiscated liquor—value	30,500 00
Total	$315,206 00

The following table gives the number of prosecutions, convictions, dismissals, awaiting trial, etc., also fines imposed under the various headings for offences against the Act, prosecuted by the members of this Force during the year:

	Prosecutions	Convictions	Dismissals	Withdrawals	Commitments	Awaiting disposal	Fines
Doctors giving Illegal Prescriptions	4	4	.....	.....	1	.....	$700 00
Drinking in a Public Place	971	803	117	51	36	.....	15,939 00
Drunk in a Public Place	1,510	1,444	45	20	178	.....	22,107 00
Having or Consuming in a Hotel	64	50	6	8	9	.....	7,900 00
Having Without a Permit	768	637	92	39	134	.....	92,370 00
Illegal Use of Permit	66	60	4	2	8	.....	983 00
In Possession of Liquor Without Board's Seal	160	151	5	4	7	.....	3,132 00
Having or Keeping in an Unlawful Place	1,317	949	270	98	345	.....	102,030 00
Miscellaneous Offences	86	68	13	5	6	.....	3,005 00
Permitting Drunkenness in Private Residence	95	82	10	3	7	.....	3,180 00
Sale or Keeping for Sale	660	428	153	35	288	44	.....
Supplying Liquor to Minors	48	36	10	2	17	.....	.....
Violation Section 54 by Druggists	13	12	1	.....	.....	.....	710 00
Supplying Liquor after Permit Suspended	19	17	4	.....	4	.....	1,045 00
Unlawful Purchase	273	244	20	9	39	.....	24,270 00
Infraction Liquor Control Board Regulations	40	28	7	4	5	.....	915 00
Totals	6,094	5,013	757	280	1,084	44	$278,286 00

Return of prosecutions, convictions, dismissals, withdrawals, etc., by months for offences under the Liquor Control Act, covering the period November 1st, 1927, to October 31st, 1928, with amount of fines imposed during that period:

	Prosecutions	Convictions	Dismissed	Withdrawn	Awaiting Trial	Amount of Fines
November	442	368	56	18	.....	$24,635 00
December	365	309	38	18	.....	14,700 00
January	343	276	49	18	.....	13,012 00
February	266	226	32	8	.....	9,475 00
March	449	335	79	35	.....	21,105 00
April	413	332	62	19	.....	15,115 00
May	558	446	74	38	.....	18,625 00
June	568	482	62	24	.....	23,486 00
July	704	612	72	20	.....	26,480 00
August	611	499	79	33	.....	33,320 00
September	735	626	79	30	.....	53,516 00
October	640	502	75	19	44	24,817 00
Total	6,094	5,013	757	280	44	$278,286 00

Return of prosecutions, convictions, dismissals, withdrawals, etc., by districts for offences under the Liquor Control Act, covering the period November 1st, 1927, to October 31st, 1928, with amount of fines imposed during that period:

	Prosecutions	Convictions	Dismissed	Withdrawn	Awaiting trial
No. 1 District, Headquarters London	571	488	67	16	.....
No. 2 " " Niagara Falls	514	392	100	22	.....
No. 3 " " Kitchener	435	347	75	13	.....
No. 4 " " Barrie	293	251	30	12	.....
No. 5 " " Belleville	577	526	38	13	.....
No. 6 " " Ottawa	918	820	81	17	.....
No. 7 " " Cobalt	516	466	30	20	.....
No. 8 " " Sudbury	422	399	15	8	.....
No. 9 " " Port Arthur	383	354	26	3	.....
Windsor Special District	660	429	156	75	.....
Hamilton Special District	209	137	43	20	9
Toronto Special District	596	404	96	61	35
Total	6,094	5,013	757	280	44

Total fines imposed in connection with above prosecutions, $278,286.

Monthly return of prosecutions, convictions, dismissals, withdrawals, etc., by Provincial Police Districts of all offences (exclusive of the Liquor Control Act) covering the period November 1st, 1927, to October 31st, 1928:

	Prosecutions	Convictions	Dismissed	Withdrawn	Awaiting trial	Amount of Fines
November	473	392	71	10	.....	$3,542 00
December	358	279	46	33	.....	2,238 00
January	321	250	46	25	.....	1,960 00
February	296	248	33	15	.....	1,273 00
March	258	202	39	17	.....	1,603 00
April	305	247	45	13	.....	3,352 00
May	465	398	52	15	.....	2,848 00
June	540	454	72	14	.....	9,809 00
July	541	464	53	24	.....	4,225 00
August	565	492	49	24	.....	5,253 00
September	487	411	54	22	.....	4,393 00
October	602	450	53	24	65	4,173 00
Total	5,211	4,287	623	236	65	$44,469 00

Return of prosecutions, convictions, dismissals, etc., (exclusive of offences against the Liquor Control Act) by Provincial Police Districts, covering the period November 1st, 1927, to October 31st, 1928:

	Prosecutions	Convictions	Dismissed	Withdrawn	Awaiting trial
No. 1 District Headquarters London	484	398	62	24	.....
No. 2 " " Niagara Falls	444	354	60	26	4
No. 3 " " Kitchener	627	539	59	20	9
No. 4 " " Barrie	580	298	63	19	.....
No. 5 " " Belleville	579	460	68	43	8
No. 6 " " Ottawa	504	416	66	20	2
No. 7 " " Cobalt	656	496	104	32	24
No. 8 " " Sudbury	594	517	50	24	4
No. 9 " " Port Arthur	445	391	48	5	1
Windsor Special District	265	190	41	23	11
Hamilton Special District	23	21	.....	.....	2
Toronto Special District	9	7	2	.....	.....
Total	5,211	4,287	623	236	65

PROSECUTIONS, CONVICTIONS, ETC.

The total number of cases prosecuted under all Dominion and Provincial Statutes during the period November 1st, 1927, to October 31st, 1928, by the members of this Force was 11,305, an increase of 3,563 over the preceding year.

Prosecutions under the Criminal Code and other Dominion and Provincial Statutes (exclusive of the Liquor Control Act) totalled 5,211, an increase of 1,467 over 1927.

Prosecutions under the Liquor Control Act totalled 6,094, an increase of 2,350.

The increase in the number of prosecutions is chiefly owing to the increased strength of the Force, and not to any epidemic of lawlessness. In fact, in comparing the figures with those for the corresponding period last year, crimes of a serious nature have decreased.

CLASSIFIED RETURN OF PROSECUTIONS, CONVICTIONS, DISMISSALS, ETC., FOR ALL OFFENCES COVERING THE PERIOD NOVEMBER, 1st, 1927, TO OCTOBER 31st, 1928.

Offence	Convictions	Dismissals	Withdrawals	Awaiting disposal	Total 1928	Total 1927
Abandoning Child	1	.....	.....	.....	1	1
Abduction	3	3	2	.....	8	13
Abortion	2	.....	.....	1	3	3
Abusive Language	3	.....	1	.....	4	3
Aiding and Abetting	1	.....	.....	.....	1	1
Affray	.....	.....	.....	.....	.....	.....
Arson	11	4	.....	.....	15	17
Assault, Aggravated	7	2	1	.....	10	7
" Bodily Harm	123	54	11	8	196	126
" Common	289	56	21	6	372	341
" Indecent	43	13	3	3	62	39
" on Police Officer	9	.....	1	4	14	6
Assisting Prisoner to Escape	1	.....	.....	.....	1	6

Offence	Convictions	Dismissals	Withdrawals	Awaiting disposal	Total 1928	Total 1927
Attempted Abduction	.....	.....	.....	.....	.....	4
" Abortion	1	1	.....	.....	2	.....
" Arson	.....	.....	1	.....	1	6
" Bribery	2	.....	.....	.....	2	.....
" Buggery	2	.....	.....	.....	2	1
" Burglary	.....	.....	.....	.....	.....	8
" Carnal Knowledge	2	1	2	.....	5	9
" Corruption	.....	.....	.....	.....	.....	1
" Fraud	3	.....	.....	.....	3	4
" Gaol Breaking	1	.....	.....	.....	1	3
" Murder	3	1	.....	.....	4	3
" Poisoning	.....	.....	.....	.....	.....	2
" Rape	2	1	.....	1	4	5
" Robbery	3	2	.....	.....	5	3
" Suicide	14	1	1	.....	16	15
" Theft	8	.....	.....	.....	8	.....
Attending Cock Fight	20	.....	.....	.....	20	18
Betting	4	.....	.....	.....	4	19
Bigamy	6	.....	2	.....	8	3
Breach of Amusement Tax Act	1	.....	.....	.....	1	5
" Bank Act	.....	.....	.....	.....	.....	.....
" Billiard and Pool Room Act	1	.....	.....	.....	1	.....
" Bread Sales Act	4	.....	.....	.....	4	.....
" Children's Protection Act	3	.....	.....	.....	3	19
" Dairy Act	1	.....	.....	.....	1	.....
" Forest Fires Act	7	.....	.....	.....	7	11
" Game and Fisheries Act	16	3	3	.....	22	25
" Highway Traffic Act	963	62	20	.....	1,045	484
" Hotels Registration Act	6	.....	.....	.....	6	7
" Indian Act	19	1	.....	.....	20	37
" Lord's Day Act	41	8	.....	.....	49	44
" Master and Servant's Act	11	3	3	.....	17	14
" Medical Act	2	.....	.....	.....	2	.....
" Mining Act	2	1	.....	.....	3	8
" Narcotic Drug Act	2	.....	.....	.....	2	.....
" Optometry Act	1	.....	.....	.....	1	.....
" Other Provincial Statutes	32	4	24	.....	60	24
" Parents Maintenance Act	2	1	.....	.....	3	3
" Public Health Act	6	3	.....	.....	9	6
" Railway Act	6	.....	.....	.....	6	.....
" School Attendance Act	.....	.....	.....	.....	.....	9
" Theatres and Cinematographs Act	.....	.....	.....	.....	.....	2
" Vital Statistics Act	.....	.....	.....	.....	.....	2
" Weights and Measures Act	.....	.....	.....	.....	.....	4
Breach of Peace	4	.....	1	.....	5	6
Breaking and Entering	145	16	3	6	170	151
Breaking Gaol	9	.....	.....	.....	9	3
Breaking Parole	4	.....	.....	.....	4	2
Bribery	.....	.....	.....	.....	.....	1
Buggery	3	.....	1	.....	4	4
Burglary	28	1	.....	.....	29	22
Canada Temperance Act	2	.....	.....	.....	2	1
Carnal Knowledge	18	13	2	3	36	36
Causing Explosion	.....	.....	.....	.....	.....	4
Concealment of Birth	2	.....	.....	.....	2	1
Conducting Lotteries	.....	.....	.....	.....	.....	8
Conspiracy	4	2	.....	.....	6	10
Contempt of Court	4	1	.....	.....	5	3
Corrupting Children	9	2	.....	.....	11	16
Corrupting Witnesses	1	.....	.....	.....	1	1
Counterfeiting	1	.....	.....	.....	1	.....
Criminal Libel	.....	.....	.....	.....	.....	.....
Criminal Negligence	37	23	3	7	70	54
Cruelty to Animals	47	9	3	.....	59	44

Offence	Convictions	Dismissals	Withdrawals	Awaiting disposal	Total 1928	Total 1927
Customs and Excise Act	87	10	.....	.....	97	102
Damage to Property	49	10	1	.....	60	63
Disorderly Conduct	115	11	8	.....	134	73
Discharging Firearms	.....	.....	.....	.....	.....	3
Disorderly House (Inmate)	71	4	2	.....	77	31
Disorderly House (Keeping)	11	3	1	.....	15	12
Driving whilst Intoxicated	149	35	5	.....	189	103
Escaping from Custody	2	.....	.....	.....	2	3
Extortion	1	1	.....	.....	2	2
False Pretences	82	11	9	1	103	78
Forgery	64	7	3	1	75	36
Fraud	24	14	3	1	42	21
Gambling	26	2	.....	.....	28	25
Games of Chance	58	1	1	.....	60	35
Gaming House (Inmate)	3	.....	.....	.....	3	18
Gaming House (Keeping)	8	1	.....	.....	9	14
Highgrading	1	.....	.....	.....	1	6
Housebreaking and Theft	21	4	.....	1	26	38
Impersonating an Officer	7	.....	2	.....	9	2
Incest	9	3	1	.....	13	16
Indecent Acts	18	1	2	.....	21	21
Indignity to Dead Body	3	.....	.....	.....	3	.....
Injury to Animals	9	1	.....	.....	10	2
Insane Persons	62	13	.....	.....	75	61
Intimidation	2	1	.....	.....	3	1
Juvenile Delinquents Act	8	.....	.....	.....	8	16
Kidnapping	.....	.....	.....	.....	.....	.....
Libel	4	.....	.....	.....	4	.....
Lotteries	18	.....	.....	.....	18	.....
Making Handbooks	.....	.....	.....	.....	.....	6
Manslaughter	5	8	.....	5	18	23
Miscellaneous Offences	2	1	.....	.....	3	12
Mischief	11	2	2	.....	15	12
Municipal By-laws	8	.....	.....	.....	8	10
Murder	6	2	.....	.....	8	10
Neglect of Children	1	.....	.....	.....	1	9
Non-support	41	10	7	.....	58	47
Nuisance	3	2	2	.....	7	6
Obstructing Police Officer	33	1	.....	.....	34	19
Offensive Weapons Act	64	5	1	.....	70	83
Perjury	13	4	1	1	19	14
Pointing Firearms	9	2	1	.....	12	9
Poisoning Cattle	.....	.....	.....	.....	.....	2
Procuring	4	4	.....	.....	8	3
Prostitution	4	.....	.....	.....	4	9
Rape	4	6	.....	.....	10	13
Receiving Stolen Goods	34	5	5	.....	44	58
Resisting Arrest	3	1	.....	.....	4	4
Robbery	8	.....	.....	.....	8	22
Robbery while Armed	8	5	2	.....	15	12
Seduction	13	8	3	.....	24	14
Selling Tobacco to Minors	3	1	.....	.....	4	.....
Shooting with Intent	1	1	.....	.....	2	3
Shopbreaking and Theft	15	3	.....	.....	18	61
Theft	736	87	37	16	876	580
Threats	12	4	3	.....	19	14
Trespass	40	1	1	.....	42	24
Unlawful Assembly	59	.....	.....	.....	59	.....
Vagrancy	216	30	24	.....	270	126
Wife Desertion	1	2	.....	.....	3	4
Wounding with Intent	10	3	.....	.....	13	9
Total	4,287	623	236	65	5,211	3,728
Liquor Control Act	5,013	757	280	44	6,094	.....
Grand Total	9,300	1,380	516	109	11,305	.....

DISPOSITION OF ALL CASES PROSECUTED

Convictions	9,300
Dismissals	1,380
Withdrawals	516
On Remand, Awaiting Trial, etc	109
Total	11,305

COMPARATIVE STATEMENT

A comparative statement of prosecutions, convictions, etc., under all Acts and Statutes for the years ending October 31st, 1927, and October 31st, 1928:

	1927	1928
Prosecutions	7,472	11,305
Convictions	6,334	9,300
Dismissals	805	1,380
Withdrawals	270	516
On Remand, Awaiting Trial, etc	63	109

Classification of penalties imposed upon persons convicted for offences against the Criminal Code and other Dominion and Provincial Statutes:

Imprisonment as penalty	1,708
Imprisonment in default of payment of fine	736
Committed to Asylum	62
Fined and Fines Paid	5,748
Sentence Suspended	870
Otherwise disposed of	176
Total	9,300

Arrested with or without warrant and persons summoned for offences against the Criminal Code and other Dominion and Provincial Statutes:

Arrested with Warrant under Criminal Code and other Statutes	1,124
Arrested with Warrant under The Liquor Control Act	729
Arrested without Warrant under Criminal Code and other Statutes	1,850
Arrested without Warrant under The Liquor Control Act	2,846
Summoned, etc	4,756
Total	11,305

A classification of the ages of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes (exclusive of the L.C.A.):

Age 10–15	176
" 15–20	722
" 20–30	1,885
" 30–40	1,165
" 40–50	710
" 50–60	362
" 60–70	145
Over 70	38
Companies	8
Total	5,211

Classification by nationalities of persons prosecuted for offences against the Criminal Code and other Dominion Statutes (exclusive of the L.C.A.):

Canadians	3,761
Americans	156
English	237
Indians	113
Irish	53
Italians	79
Poles	61
Russians	84
Scotch	78
Other Nationalities	581
Companies	8
Total	5,211

Classification of the sex of persons prosecuted for all offences against the Criminal Code and other Dominion and Provincial Statutes (exclusive of the L.C.A.):

Male	4,939
Female	264
Companies	8
Total	5,211

Classification of marital state of persons prosecuted for all offences against the Criminal Code and other Dominion and Provincial Statutes (exclusive of the L.C.A.):

Married	2,478
Single	2,635
Widows	51
Widowers	39
Companies	8
Total	5,211

NUMBER OF SEARCH WARRANTS EXECUTED

Under the Criminal Code	1,035
Under the Liquor Control Act	12,772
Number of Arrests made for other Forces	274
Summonses served	422

STOLEN PROPERTY RECOVERED

Property that had been reported through various sources as stolen, was recovered by our officers to the value of $160,813.45.

EXPENDITURE AND REVENUE

The financial reports and statistics show that the expenditure of the Department for the year 1927-28 incurred by all branches of the Force for Law Enforcement was $646,587.96, an increase of $65,107.98 as compared with 1926-27.

The revenue derived from various sources in connection with the Department during the year was $394,913.38.

Statistics show that the cost of law enforcement was almost equally divided between the enforcement of the Liquor Control Act and all other matters of law enforcement.

EXPENDITURE

Salaries, Permanent	$337,444 13	
Salaries, Temporary	53,906 63	
Travelling Expenses, District Headquarters, disbursements, etc.	194,627 00	
Automobiles, Supplies, etc.	29,601 78	
Uniform, Equipment, etc.	14,514 69	
Office Disbursement, etc.	8,697 18	
Sundry Payments	4,468 65	
Accident Insurance	2,078 91	
Travelling Expenses, Extraordinary	1,000 00	
Detective Services	248 99	
		$646,587 96

REVENUE

Fines under L.C.A.	$278,286 00	
Constables' Costs and Fees	44,757 01	
Confiscated Liquor	30,500 00	
Fines other than L.C.A.	20,126 43	
Confiscated Automobiles	6,420 00	
Miscellaneous Fines, etc.	5,149 29	
		$395,238 73

Expenditure	$646,587 96
Revenue	395,238 73

CONCLUSION

Before closing this report I wish to thank you for the helpful and sympathetic manner in which you have received any proposals I have laid before you either in the matter of law enforcement or for the welfare of the members of the Force, also the Deputy Attorney General and his staff for their ready assistance given at all times.

I have to express my appreciation of the close co-operation of the Chief Commissioner and Commissioners of the Liquor Control Board in the many matters pertaining to the enforcement of the Liquor Control Act.

I wish to thank all the Municipal police forces of the Province, the R.C.M.P., the C.P.R. and C.N.R. police forces, also the Provincial and other forces outside the province for their effective assistance and co-operation during the year.

I desire also to express my appreciation to all ranks of the Force for their good work and faithful attention to duty during the year, and to record my appreciation of the kind and helpful manner in which County Crown Attorneys and Police Magistrates have encouraged and assisted the members of the Force in the execution of their duties.

Respectfully submitted,

VICTOR A. S. WILLIAMS,
Commissioner of Police for Ontario.

PROVINCE OF ONTARIO

Department of

Northern Development

Report of Operations under The Northern Development Act, R.S.O. 1927, and The Colonization Roads Act, R.S.O. 1927.

For the Year Ending 31st October,

1928

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ONTARIO

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1929

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To His Honour William D. Ross, Esq.,

Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present Report on Operations under The Northern Development Act, R.S.O. 1927, for the fiscal year ending 31st October, 1928.

Wm. Finlayson,
Minister.

Toronto, Ont., March 14th, 1929.

Honourable Wm. Finlayson,

Minister of Lands and Forests.

I have the honour to present herewith Report on the Operations of the Department of Northern Development for the fiscal year ending 31st October, 1928.

C. H. Fullerton,
Deputy Minister.

Toronto, March 14th, 1929.

CHIEF ENGINEER'S REPORT

On the Construction and Maintenance of Roads and Bridges, carried on under the provisions of The Northern Development Act, R.S.O. 1927, during the year ending 31st October, 1928.

Statements are hereto appended, showing the expenditures made in the different sections, together with a summary of the work done in each district.

Section 14 (B), Roads and Bridges

In the electoral districts of Nipissing, Sturgeon Falls, Sudbury, Manitoulin, Algoma, Sault Ste. Marie, Temiskaming, South Cochrane, North Cochrane, Fort William, Port Arthur, Rainy River, and Kenora, all road and bridge work is carried on under The Northern Development Act, with the exception of the work done under municipal by-law, which follows the system in operation under The Colonization Roads Act, but the supervision of which is part of the duties of The Northern Development officials.

The total expenditure in this section was $3,846,004.25.

Organization

The territory is divided into ten sections with a district engineer in charge of each as follows:

I.	Muskoka and Parry Sound with headquarters at	Huntsville
II.	Nipissing, Sturgeon Falls and North Renfrew at	North Bay
III.	Sudbury and Manitoulin at	Sudbury
IV.	Algoma and Sault Ste. Marie at	Sault Ste. Marie
V.	Temiskaming at	New Liskeard
VI.	South Cochrane and part of North Cochrane at	Cochrane
VII.	Part of North Cochrane at	Kapuskasing
VIII.	Fort William and Port Arthur at	Fort William
IX.	Rainy River at	Fort Frances
X.	Kenora at	Kenora

Throughout that section of the Province under the Department's jurisdiction the policy of maintenance and improvement of existing roads was continued, giving particular attention to main trunk roads. New roads were opened to connect the various districts and to give settlers access to their lands.

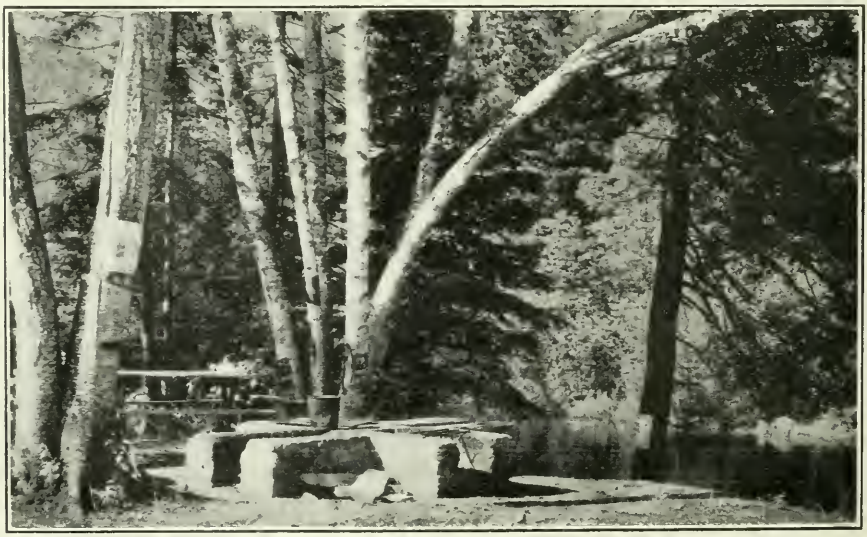
To meet the ever-increasing demands of local and tourist traffic to and from the summer resorts and the farming and mining districts of Northern Ontario, special consideration was given to the improvement of alignment and grade on the south end of the Ferguson Highway. From Severn to a point near the southerly entrance to the town of Bracebridge, this road was widened to 30 feet between ditches, excepting approximately a half mile in Lot 3, Con. XI, Muskoka Township, where the advisability of constructing a subway to divert trunk road traffic from a level crossing on the C.N.R. is under consideration by the Board of Railway Commissioners.

On the section from Bracebridge to Huntsville, contracts were let for the construction of 16 miles of a diversion. About 1½ miles of this work remains to be done, and when completed the diversion will shorten the distance between Bracebridge and Huntsville by approximately 5 miles and eliminate all the level crossings but one.

Work was continued during the year on the Espanola-Little Current Road which, when completed, will connect Manitoulin Island with the mainland by motor road.

Tomiko River Camp—Ferguson Highway.

On the Sudbury-Sault Ste. Marie Trunk Road, considerable attention was given to widening the road and easing and superelevating bad curves.



Fire Place—Tomiko River Camp, Ferguson Highway.

The Nipigon Highway between Port Arthur and Nipigon was widened from 16 feet to 24 feet for a distance of eight miles.

On the Cochrane-Hearst Trunk Road, a contract was let for the grading of 16.8 miles of road, but owing to the extremely wet season about 3 miles of this work remains to be completed.

Jumping Caribou Lake—Ferguson Highway.

From North Bay south to Callander, the paving operations commenced the previous year were completed.

In the different districts the more important works carried on were as follows:

Muskoka and Parry Sound Districts

1. Maintaining 410 miles of trunk roads.
2. The constructing and gravelling of 34.75 miles of trunk road diversion.

Ferguson Highway—South of South River.

3. The constructing of 6 concrete bridges, 4 concrete culverts and 1 wooden bridge.

4. The gravelling of 10 miles of road in Muskoka and 3 miles in Parry Sound constructed the previous year.

Nipissing District

1. Maintaining 117 miles of trunk roads.

2. Completion of the paving of the Ferguson Highway between Callander and North Bay.

3. Improving grade on rocky hill on North Bay-Sudbury Road.

4. Hauling gravel for completing 5 miles of surfacing on the Ferguson Highway, and 10 miles of winter gravelling on the North Bay-Pembroke Road.

Sturgeon Falls District

1. Maintaining 129 miles of trunk roads and repairing bridges.

2. Gravelling 36 miles of trunk roads.

3. Improving grade on the North Bay-Sturgeon Falls Road.

North Renfrew District

1. Maintaining 81 miles of trunk roads and repairing bridges.

2. Improving sections of the North Bay-Pembroke Road from the town of Pembroke westerly.

Sudbury and Manitoulin Districts

1. Maintaining 484 miles of trunk roads.

2. Continuing construction work on the Espanola-Little Current Road.

3. Construction of a road easterly from Chapleau of which 5 miles are now open for traffic.

Algoma and Sault Ste. Marie Districts

1. Maintaining 320 miles of trunk roads.

2. Grading and gravelling 12½ miles of the Haviland Bay Road.

3. Clay surfacing, widening and gravelling 12 miles on the Sault-Sudbury Trunk Road between Sault Ste. Marie and Echo Bay. Easing and super-elevating bad curves on the Portlock-Thessalon section and the surfacing with clay of 10 miles in the vicinity of Walford.

4. Continuing construction and the reconstruction of 7 miles on the Iron Bridge-Parkinson Road.

Temiskaming District

1. Maintaining 293 miles of trunk roads.

2. Completing grading and gravelling of the Boston Creek and Round Lake Road.

3. Constructing bridges.

4. Making surveys with a view to the improvement of grade and alignment on the Ferguson Highway between Latchford and Cobalt and through the township of Chamberlain.

Cochrane District

1. Maintaining and improving 270 miles of trunk roads.

2. Regrading 4 miles of road in Walker Township.

3. Surfacing Teck-Larder Road with one-inch stone.

Kapuskasing District

1. Maintaining 185 miles of trunk roads.
2. Construction work on the Cochrane-Hearst Trunk Road.

Christy Lake—Ferguson Highway.

3. Constructing eight new bridges, and installing a mechanical ferry at Ground Hog River, and a scow at the Muskego River.

Fort William and Port Arthur Districts

1. Maintaining 365 miles of trunk roads.

2. Constructing 8 miles of deviation and reconstructing 5 miles on the International Highway.

3. Widening and improving the Nipigon Highway between mileage 8 and 16.

4. Constructing a road from Schreiber to Rossport.

Rainy River District

1. Maintaining and improving the trunk road from Fort Frances to Rainy River, a distance of 62 miles.

2. Maintaining 160 miles of branch trunk roads.

3. Continuing construction work over a 10-mile stretch on the Fort Frances-Kenora Trunk Road.

4. Constructing several small pieces of road in the northern part of the district for the convenience of settlers.

Kenora District

1. Maintaining 120 miles of trunk roads.

2. The cutting of 20.94 miles and grading 14.63 miles on the Fort Frances-Kenora Road.

3. The cutting of 5 miles, stumping of 4 miles, and grading of 2.75 miles on the Keewatin-Manitoba Boundary Road.

4. Widening trunk road 6 feet, from Dinorwic to Oxdrift, and 4 feet from Oxdrift 4 miles westerly.

Municipal Agreements

The work performed by the eighty-four municipalities which operate under an agreement with the Department is as follows:

Cutting new road, 13.58 miles; side brushing old road, 166.8 miles; stumping and grubbing, 8.5 miles; cross lay, 0.7 miles; grading new road, 19.61 miles; regrading old road, 382.83 miles; ditching, 69.55 miles; gravelling new road, 29.18 miles; gravelling old road, 475.51 miles; surfacing with clay, 5.23 miles; surfacing with crushed stone, 68.02 miles; dragging, 7,674.18 miles; cut and fill, 26,571 cubic yards; 166 metal culverts constructed; 264 wooden culverts constructed, and 29 repaired; 115 stone or concrete culverts constructed or repaired; 23 new bridges constructed and 32 repaired.

In addition to the above, the Department contributed 50 per cent. of the cost of a pavement 20 feet wide on certain streets carrying trunk road traffic in the towns of Gravenhurst, Bracebridge, Parry Sound, North Bay and Haileybury.

Assistance was also given to the towns of Huntsville, Burks Falls, Englehart and Capreol to gravel and improve the trunk road through these towns.

Agreements were entered into with a number of mining companies whereby the Department assisted in the construction of new roads or the improvement of existing roads into established or promising mining areas.

Jas. Sinton,
Chief Engineer, Department of Northern Development, Ontario.

Toronto, February 19th, 1929.

SUMMARY OF EXPENDITURE FOR THE SEVENTEEN YEARS ENDED 31ST OCTOBER, 1928, NORTH AND NORTHWESTERN ONTARIO DEVELOPMENT FUND

	Summary of Expenditure, May 23, 1912, to Oct. 31, 1927	Expenditure for Year ended October 31, 1928	Total Expenditure to October 31, 1928
Section 11 (a) Works and Improvements	$2,100 00	.....	$2,100 00
Section 11 (b) Roads and Bridges	26,774,486 99	3,846,004 25	30,620,491 24
Section 11 (d) Farms	206,110 04	.....	206,110 04
Section 11 (d) Assistance of Settlers; Fire Relief	329,099 50	.....	329,099 50
Section 11 (d) Assistance of Settlers; Saw Mills	14,945 90	.....	14,945 90
Section 11 (d) Assistance of Settlers; Feed Shortage	124,268 82	.....	124,268 82
Section 11 (d) Creameries and Grain Elevators	68,225 16	2,175 00	70,400 16
Section 11 (f) Seed Grain	312,773 50	12,341 10	325,114 60
Section 11 (f) Agricultural Implements	46,826 22	.....	46,826 22
Section 11 (h) Purchase of Cattle	61,862 09	11,388 57	73,250 66
Section 11 (j) Schools and Other Public Bldgs.	52,999 29	.....	52,999 29
Section 11 (k) Work not otherwise provided for	4,519 27	.....	4,519 27
Returned Soldiers' and Sailors' Settlement Act, 1917	1,185,568 02	.....	1,185,568 02
	$29,183,784 80	$3,871,908 92	$33,055,693 72
Settlers' Loan Account	1,447,423 88	61,927 83	1,509,351 71
	$30,631,208 68	$3,933,836 75	$34,565,045 43

NORTH AND NORTHWESTERN ONTARIO DEVELOPMENT FUND

Short Statement

April 16th, 1912, To amount voted for Expenditure in N. & N.W. Ontario	$5,000,000 00
March 26th, 1918, " " " " "	5,000,000 00
May 31st, 1921, " " " " "	5,000,000 00
May 8th, 1923, " " " " "	5,000,000 00
April 14th, 1925, " " " " "	5,000,000 00
April 8th, 1926, " " " " "	5,000,000 00
April 5th, 1927, " " " " "	5,000,000 00
	$35,000,000 00
April 15th, 1912, to October 31st, 1928: By expenditure for 17 years as per detailed statement	34,565,045 43
Balance available, 1st November, 1928	$434,954 57

DEPARTMENT OF NORTHERN DEVELOPMENT

Statement of Expenditure, Year Ended 31st October, 1928

Administration, Section 9		
Salaries of Permanent Staff	$71,385 53	
Salaries of Temporary Staff	16,354 71	
	$87,740 24	
Supplies and Contingencies	22,510 69	
		$110,250 93

Roads and Bridges, Section 11 (b)			
Wages		$1,964,095 10	
Contracts		654,301 59	
Supplies, Equipment, Rentals, Services, Disbursements		1,117,356 63	
			3,735,753 32
Creameries, Etc., Cochrane, Larocque and Algoma, Section 11 (d)			
Wages			2,175 00
Seed Grain, Section 11 (f)			
Feed, Freight, Services and Disbursements			12,341 10
Purchase of Cattle, Section 11 (h)			
Cost of Cattle, Freight, Feed, Services and Disbursements			11,388 57
Settlers' Loan Account			
Dane, F., Commissioner, Salary		$5,000 00	
Crawford, G., Stenographer, Salary		1,300 00	
Jack, F. M., Stenographer, Salary		1,050 00	
		$7,350 00	
Net amount of Loans issued	$52,850 00		
Disbursements	1,727 83		
		54,577 83	
			61,927 83
Total			$3,933,836 75

DEPARTMENT OF NORTHERN DEVELOPMENT

Statement of Revenue for the Year Ended 31st October, 1928

	Capital	Ordinary	Totals
Section 14 (b), Roads: Sale of Supplies, Gravel, Lumber, Equipment, Rentals and Refunds.	$3,725 83	$2,847 02	$6,572 85
Section 14 (d), Assistance of Settlers: Feed Shortage			
Payment of Principal on Notes	1,942 51	.....	.....
Interest	.....	2,695 36	4,637 87
Section 14 (f), Seed Grain			
Cash Sales and Payment of Principal on Notes	20,488 96	.....	.....
Interest	.....	3,061 09	23,550 05
Section 14 (f), Agricultural Implements			
Payment of Principal on Notes	1,769 49	.....	.....
Interest	.....	892 98	2,662 47
Section 14 (h), Purchase of Cattle Account			
Cash Sales and Payment of Principal on Notes	7,389 21	.....	.....
Interest	.....	321 11	7,710 32
General Account			
Bank Interest (Soldiers' Settlement) $395 14			
(Fire Relief) 325 14			
	.....	720 28	720 28
Refunds: Cash Advances	26,107 71	.....	26,107 71
Settlers' Loan Account			
Payment of Principal	92,274 21	.....	.....
Interest, Exchange, etc	.....	32,173 09	124,447 30
	$153,697 92	$42,710 93	$196,408 85

DEPARTMENT OF NORTHERN DEVELOPMENT

Assets, October 31st, 1928

Cash Balances Unexpended

Roads and Bridges, Section 11 (b)	$10,767 00
Administration, Section 9	3,659 22
Settlers' Loan Account	4,075 00
	$18,501 22

Notes Outstanding	Principal	Accrued Interest	
Section 11 (d) Feed Shortage	$51,779 67	$17,616 11	69,395 78
Section 11 (f) Seed Grain	85,856 72	28,662 34	114,519 06
Section 11 (f) Agricultural Implements	18,947 35	4,786 03	23,733 38
Section 11 (h) Cattle Purchase	11,200 94	320 03	11,520 97
			$237,670 41
Settlers' Loan Account, Loans Outstanding	$571,725 96	$35,215 51	606,941 47
			$844,611 88

Contingent Assets

Roads: Buildings, Plant, Equipment, Machinery, Motors, Tractors, etc	$370,326 63

W. Ll. Lawer,
Accountant.

November 15th, 1928.

Electoral District	Cutting and Burning (New Road) Miles	Side Brushing (Existing Road) Miles	Stumping and Grubbing Miles	Cross Lay Miles	Grading		Ditching Cu. Yds.	Gravelling			Clay Surfacing		Crushed Rock			Dragging Miles	Guard Rail Erected, Lin. Ft.	Culverts			Bridges		Cut and Fill, Cu. Yds.	Rock Excavation, Cu. Yds.	Miscellaneous
					New Miles	Repairs Miles		New		Repairs No. cubic Yds. Gravel Used	Length Miles	No. Cu. Yds. clay Used	No. Yds. Crushed	No. Yds. Hauled	Length of Road covered Miles			Wood	Stone or Concrete	Metal	No.	Description			
								Length Miles	No. cubic Yds. Gravel Used															
Algoma	7.3	83 5	11 4	.3	10 3	100	16,270	32 00	12,556	38,299	18 1	4,015	.....	887	2 6	13,790.1	2,209	104 4*	26 2*	13	30 14	New Repaired	17,582.	18,750	42 miles scarified; 4.3 miles ditches cleaned; 166 miles raked; 1,350 signs erected; 24.5 miles relocation surveys made; 4 miles grass cut; 1,424 lin. ft. timber made; 1.2 miles creek cleaned; 270 cu. yds. gravel stock piled; 340 poles taken out; 80 sq. ft. rip-rap laid; 9.55 miles stoned; 15 rods 16-inch tile laid.
Cochrane North	5 67	33 24	6.89	49	5 68	263 53	77,885 2	37 73	28,710 5	2,732	16 15	51,185.5	540	4	0.125	9,579.48	....	122	1	28	20 11	New Repaired	11,727	13 25	2 scows constructed; 20.53 acres burned; 80 culverts with corduroy top spliced.
Cochrane South	7 025	41 25	12 715	7	7 60	3,139 5	59,464	62 45	53,970	10,501 5	17 35	22,321.5	.25	14,212.5	1 125	15,846.5	2,474	60 4*	.....	128	22 12 1	New Repaired Painted	24,864 5	70	1,005 ft. reditched; 55 cu. yds. rock-fill placed; 800 posts painted; 36 cu. yds. boulders placed; 1½ cu. yds. stone rip-rap placed on culverts; repaired bridge rail; cleaned ditches.
Fort William	12 68	19 465	13 215		11 59	15 70	30,329 3	8 16	14,228	14,059	1 82	2,701	.....	.....	.....	9,761	1,166	202	5	1 42*	5 26	New Repaired	26,903	2,569 5	Hauled 8,806 cu. yds. of earth fill and 52 cu. yds. rock-fill; moved 10 cu. yds. stone; 64 cu. yds. rip-rap placed; 1,300 cu. yds. material burrowed; cut 86 miles grass; 186 cu. yds. earth excavated; 138 cu. yds. rock-fill in cribs placed.
Kenora	66 09	49.53	42 02	1 4	37 28	82 67	83,960	24 48	20,227	6,173	8 175	74,909	.....	.....	.....	2,678	416	358	46	.....	7 11 8	New Repaired Painted	137,430	53,451	6 miles of ditches cleaned; 9 miles of debris cleaned out of Gull River.
Manitoulin	10 52	18 77	3 12		14 27	187 50	5,471	12 95	9,717	19,709 5	6 35	9,799	25	...	...	2,765 75	2,520	42	9	...	3 1	New Repaired	9,765	16,225	243 cu. yds. rip-rap laid, 19,162 lin. ft. rock drilled; 3 buildings erected, 20' x 20', 16' x 12', 12' x 8'; 16 culverts repaired; 113.75 miles raked; 80.75 miles weeds cut; hauled 832 cu. yds. cinders.
Muskoka	21 85	48.75	21 595		21 46	32 29	9,544 6	43 75	58,152	10,282 25	.04	38	.....	.....	.....	11,071	15,680	15 11*	4	48	7 1	New Painted	300,963 75	50 652	51,860 5 cu. yds. rock-fill; 696.3 cu. yds. rock rip-rap; 1 mile brush burned.
Nipissing	1 84	22 25	1 79		0 79	6 60	1,567	22 375	7,098	7,801 5	1 5	220	... ..	.....	.....	9,413	7,723	22	9	17	3	Repaired	2,116	3,313	Cut posts for guard rails; 5 miles side and 2 miles offtake ditches cleaned, dragged and general repair; erected lookout; 160 rods fence erected; opened up pit and offtake ditch.
Parry Sound	...	100 29	...	....	.03	.....	444 1	3	2,860	34,886.17	.38	45	.....	.....	.....	17,499.25	19,418	29 50*	.....	18	5 1	Repaired Painted	2,597 63	2,568	3,178.1 cu. yds. rock, stone and boulder fill; 244.1 cu. yds. rock and stone rip-rap; 2,476 stock piles used in gravelling.
Port Arthur	19 10	49 42	15 815	....	13 435	9 75	19,992 5	11 11	15,413	8,271	15	480.5	.....	.....	.....	9,062	364	155	52 1*	3 19*	8 4	New Repaired	50,743	10,538	4,019.5 cu. yds. earth fill hauled; 741 cu. yds. boulders and stone moved; 29 cu. yds. rip-rap; 64 miles grass cut; 173 cu. yds. earth excavated; 80 cu. yds. rock-fill in cribs.
Rainy River	25 23	77 32	15 76	2.35	17.78	13 81	47,962 7	116 38	11,852 5	38,345 5	5 5	9,613	.....	.....	.....	7,363	.....	72 9*	.....	... 11	20 28	New Repaired	8,493 68	523	5,470 cu. yds. gravel banked; 394 ft. rip-rap placed.
Renfrew	.26	4 1	59	.....	1 19	12 65	7,079	10 15	5,682	4,168	1 6	850	.....	.....	.....	6,658.25	450	29	.....	5	1	Repaired	18,212	814	500 cu. yds. hardpan moved; 500 ft. ditch cleaned; 2¾ miles winter gravel spread; 40 loads rock for rip-rap; gravel pit opened; changed water course of Spencer Creek; 113 fence posts cut and hauled 2 miles; powder-house built; ½ mile road cut to pit.
Sault Ste. Marie	8 9	37 5	12 1	.1	16 2	57 5	37,091 0	44 43	29,046	7,748	7 1	1,503	.....	.. ..	.....	4,134 0	19,667	51	30	18	1 7	New Repaired	65,446	456	160 miles raked; 92 miles scarified; 24 signs erected; 16.7 miles ditches cleaned; 800 sq. ft. rip-rap; 200 ft. guard rails remodeled; 7 curves superelevated; 1.5 miles spread hay; 400 cedar posts taken out; 6' x 55' side piers; 7 farm entrances; 18 stone culvert end walls; 3.09 miles ditch cleaned; 13 miles weeds cut; 100' x 4' retaining wall built.
Sturgeon Falls	0 55	5 45	2 05	.....	2 48	7 60	1,642	38 75	15,332	18,924 5	.....	112	.....	.....	.....	10,480.9	4,062	20	4	24	4 18	New Repaired	8,338	5,896 25	2 miles ditches cleaned; 80 road signs erected; 290 posts cut and peeled; 340 ft. railing erected; 130 posts placed on bridge and approaches for guard rail; 612 cu. yds. gravel stock piled; bridges patrolled and bridges inspected.
Sudbury	16 07	24 00	6 87	1,285 0	9 62	1,819 87	11,235	4	.....	22,843 5	1	76	.....	2,753	.....	5,165 12	1,000	63	9	1	7 6	New Repaired	14,635	.....	184 cu. yds. rock hauled; 145 cu. yds. slag hauled; 126 cu. yds. rip-rap hauled; 1,000 lin. ft. guard rail painted; 247 signs placed.
Temiskaming	3 8	41.5	2 27	.....	229 8	2,829.8	1,937	59 48	40,319 5	13,904 5	.40	315	.....	238.5	.....	1,301 5	593	13	3	53	6 14	New Repaired	6,620	18	160 ft. 6 in. tile drain placed; 15 cu. yds. dry stone placed at culvert ends; ½ mile creek cleaned; 1 mile tote road cut; 31 miles ditches cleaned; 84 cu. yds. rock placed in bridge abutments; 70 cu. yds. stone used widening turn; cutting roads to gravel pit; 73 miles grass cut; 766 cu. yds. fill placed in washouts and post holes; 5 stone drains placed; traffic, lake signs and mile posts erected; log camp built at Lowell Lake, and 0.3 miles of roads cleaned to same; 1,030,491 f.b.m. bridge timber cut, etc.
Totals	206.885	656.335	168 2	1,290 34	399.505	8,578 77	411,874 4	531.19	325,163 5	258,648.92	86.19	178,183.5	565.25	18,095.0	3.85	136,568.85	77,742	1,357 78*	198 3*	368 61*	140 161 11	New Repaired Painted	706,436.56	115,255.652	

*Repaired.

REPORT ON CREAMERIES, CATTLE PURCHASE AND SEED GRAIN ACTIVITIES

Carried on under the provisions of The Northern Development Act, R.S.O. 1927, During the Year Ending 31st October, 1928

CREAMERIES

Section 11 (D)

Assistance was rendered by the Department in the operation of creameries at Webbwood, Cochrane and Larocque by the payment of the salaries during the season for buttermakers.

The total expenditure amounted to $2,175.00.

Purchase of Cattle, Section 11 (H)

The sum of $11,388.57 was expended by the Department in financing the purchase by settlers of dairy cows. Of this sum, $11,251.50 was either repaid by the settlers in cash or was charged to them secured by a lien against their property. Eighty-two animals were supplied during the year under this plan, making the total of dairy cows supplied by the Department since the scheme was inaugurated in 1925, 484 head. During the year the sum of $7,710.33 was received from the settlers in repayment of principal and interest.

Seed Grain, Section 11 (F)

There was a reduced demand for seed to be supplied through the Department during the year 1928 as compared with the previous season. The sum of $12,341.10 was expended in the purchase and distribution of:

8,088 bushels of Oats.
192 bushels of Wheat.
714 bushels of Barley.

Of this total cost the sum of $12,004.65 was charged to the settlers and was either repaid in cash on delivery or placed as a lien against their property. During the year $23,550.05 was repaid by the settlers on account of seed supplied during 1928 and previous years.

F. G. Beardall,
Acting Chief Clerk.

Toronto, February 19th, 1929.

ENGINEER'S REPORT

On the Operations of the Colonization Roads Branch During the Fiscal Year Ending October 31st, 1928

Colonization road expenditures under the supervision of nine Departmental Inspectors were proceeded with in the northern Townships of the Counties of

Maynooth—Madawaska Road.

Addington, Frontenac, Hastings, Lanark, Leeds, Ontario, Peterborough, Renfrew, Simcoe, Victoria and Haliburton and Townships in the Districts of Muskoka, Nipissing and Parry Sound.

One hundred and nineteen municipalities operated under road by-laws, sixty-three under machinery by-laws, thirty-six under overseer by-laws, and 160 municipalities benefitted by direct grants. A large proportion of the expenditure was on permanent works while the maintenance and improvement of all main roads was given consideration.

A summary of the work performed indicates that 11.9 miles of new road were constructed and 1,880 miles of old road were improved: 25 timber and 6 concrete bridges were erected and 68 bridges were repaired: 1,160 wooden, 131 stone and 259 metal culverts were installed: 661 miles of road were surfaced with gravel and 50 miles with crushed stone.

Direct Grant Work

Employed 3,618 men and 1,894 teams, local labour being utilized in practically all cases. The work included—cutting new road, 13.1 miles; sidebrushing old road, 45.3 miles; stumping and grubbing, 26.0 miles; grading new road, 10.5 miles; regrading old road, 165.9 miles; ditching, 14.6 miles; gravelling—old road, 167.1 miles; new road, 7.9 miles; crushed stone surfacing, old road, 6.5 miles; dragging, 276 miles; culverts—339 cedar, 70 stone and 78 metal; bridges—6 timber, and 3 concrete; cut—rock 9,314 cubic yards and earth 41,693 cubic yards; fill—rock 18,713 cubic yards and earth 40,923 cubic yards.

Road By-law Work

Employed 9,526 men and 5,386 teams, entirely local to the respective works. A summary indicates—cutting new road, 122.0 rods; sidebrushing old road, 134.1 miles; grading new road, 1.4 miles; regrading old road, 927.0 miles; dragging, 1,600.0 miles; drained, 20.6 miles; surfacing—gravel, 487.0 miles; crushed stone, 46.8 miles; culverts—821 wooden, 181 metal, and 61 stone; bridges—3 concrete, new, 19 timber, new, and 67 repaired; cut—rock 1,782 cubic yards and earth 6,452 cubic yards; fill—rock 8,643 cubic yards and earth 12,828 cubic yards.

Road Machinery and Equipment By-laws

Sixty-three townships took advantage of machinery by-laws to obtain Government assistance in the purchasing of modern road machinery, culverts, cement, gravel, tools and equipment.

Road Overseer By-laws

Thirty-six municipalities received assistance on a 50-50 basis from the Government toward paying a general road overseer's wages. Where overseers were employed the work was carried on more economically and the type of construction is more uniform.

Expenditures

Direct grants	$194,063 55
By-law grants	145,427 06
Inspection	15,024 88
Machinery and equipment	4,615 47
Storage and insurance	252 72
Total expenditure, Colonization Roads Branch	$359,383 68

ROY G. SNEATH,
Engineer, Colonization Roads.

Toronto, December, 1928.

REPORT OF THE SETTLERS' LOAN COMMISSIONER

The Honourable Wm. Finlayson,
Minister of Lands and Forests,
Parliament Bldgs.,
Toronto, Ont.

Dear Sir:

I have pleasure in herewith presenting the Report of the Settlers' Loan Department to the 31st October, 1928.

You will observe from the statement the most gratifying manner in which settlers have made payment on account of interest and also in connection with their payments on principal.

The reports coming from the different districts are to the effect that they have had a very wet season, and while crops seem good, the settlers were evidently unable to harvest them.

The pioneer spirit is still in the people of the North, and they are looking forward with great expectations to the coming summer when they hope to be able to make up their losses.

Yours very truly,

F. Dane,
Settlers' Loan Commissioner.

STATEMENT OF LOANS ISSUED

To October 31st, 1928

Total Number of Applications Received:		
To October 31st, 1927	6,462	
Year ending October 31st, 1928	377	
		6,839

Loans

Total Number of Loans Issued:		
To October 31st, 1927	3,912	
Year ending October 31st, 1928	154	
		4,066
Amount Granted		$1,388,325 00
Average Loan		341 44
Amount applied for		2,656,907 00

MEMORANDUM OF LOANS TO CREAMERIES AND OTHER LIKE ASSOCIATIONS

To October 31st, 1928

Applications and Loans

	Amount Granted	Amount Owing
The Sudbury Co-operative Creamery Co., Ltd.	$24,000 00	$14,000 00
The Kenora Dairy Co-operative Association, Ltd.	13,000 00	13,000 00
Producers' Co-operative Creamery Co., Ltd., Lavaliee, Ont.	3,500 00	2,100 00
The Matheson Co-operative Dairy Co., Ltd.	5,445 00	3,539 25
The Cochrane Co-operative Dairy Company, Ltd.	7,830 00	6,482 00
Northern Co-operative Company, Ltd., Rydal Bank, Ont.	5,000 00	3,500 00
Total	$58,775 00	$42,621 25

Note.—The standing of the Kenora Dairy Co-operative Association, which went into liquidation in 1922, and all property now under jurisdiction of Department of Northern Development, as outlined in our report of 1924, is as follows:

Principal	$13,000 00
Accrued Interest	1,451 70
Total	$14,451 70

PAYMENTS ON ACCOUNT OF INTEREST

	Accrued Interest Due	Interest Received	Per Cent.
Loans to Settlers	$347,274 18	$312,746 86	90.
Loans to Creameries	12,654 53	11,966 34	94.5
Total	$359,928 71	$324,713 20	90.2

On Account of Principal

	Payments on Principal Due	Principal Received	Per Cent.
Loans to Settlers	$974,632 43	$800,445 29	81.1
Loans to Creameries	34,154 75	16,153 75	....
Total	$1,008,787 18	$816,599 04	80.9

Total

	Payments Due	Payments Received	Per Cent.
Loans to Settlers	$1,321,906 61	$1,113,192 15	84.2
Loans to Creameries	46,809 28	28,120 09	....
Total	$1,368,715 89	$1,141,312 24	83.3

Interest charges	$359,928 71
Interest payments	324,713 20
Balance as per Ledgers	$35,215 51

SUMMARY OF EXPENSES TO OCTOBER 31ST, 1928

	To October 31st, 1927	For Year Ending October 31st, 1928
Salaries	$99,466 57	$7,350 00
Travelling Expenses	1,099 85	.....
Office Expenses	9,586 14	1,030 95
Outside Expenses	1,742 40	696 88
	$111,894 96	$9,077 83
Refund on Over-payments	53 92	.....
Totals	$111,948 88	$9,077 83

Total to October 31st, 1927	$111,948 88
For year ending October 31st, 1928	9,077 83
Total	$121,026 71

DETAILS OF LOANS ISSUED AND OUTSTANDING

DISTRICT	ISSUED		OUTSTANDING		
	No. of Loans	Amount	No. of Loans	Unpaid Principal	Unpaid Interest
Algoma	175	$61,735 00	124	$31,791 96	$865 53
Manitoulin	14	5,750 00	7	1,591 00	76 75
Nipissing	228	80,070 00	154	38,800 68	2,216 71
Sudbury	251	118,085 00	163	58,074 93	1,591 28
Kenora	428	149,400 00	263	67,642 54	4,252 27
Rainy River	299	100,875 00	160	34,820 45	1,456 30
Temiskaming	1,780	578,845 00	952	223,972 96	12,405 61
Thunder Bay	906	297,640 00	512	119,106 44	12,351 06
Totals	4,080	$1,392,400 00	2,335	$575,800 96	$35,215 51
Less uncompleted Loans	14	4,075 00	14	4,075 00	.....
	4,066	$1,388,325 00	2,321	571,725 96	35,215 51

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